

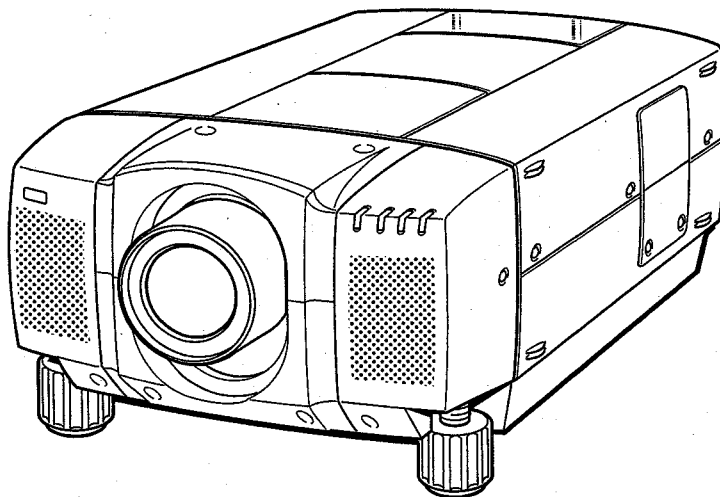
SANYO

FILE NO.

SERVICE MANUAL Multimedia Projector

Model No. **PLC-XF10E**
PLC-XF10EL
(Europe, Asia, Africa,
M.E.)
PLC-XF10B
(U.K.)

Original Version



Service Ref. No.: **PLC-XF10E-00**
PLC-XF10EL-00
PLC-XF10B-00

Give complete "Service Ref. No." for parts order or servicing, it is shown on the rating sheet on the projector.

PLC-XF10EL: Projection lens optional model.

PRODUCT CODE

(PE6A) PLC-XF10E: **1 122 072 00**
(PE6AL) PLC-XF10EL: **1 122 072 20**
(PE6C) PLC-XF10B: **1 122 072 02**

REFERENCE NO. SM5110012


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■ Safety Instructions

SAFETY PRECAUTIONS


WARNING:

The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line () in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector. | DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED. |
| 2: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis. | 4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside. |
| 3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc. | Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock. |

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark  in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

SERVICE PERSONNEL WARNING

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection required during this servicing.

Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages(15kV - 25kV) at its starts.

Since the lamp is very high temperature during units operation replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

DO NOT ATTEMPT TO SERVICING THE REMOTE CONTROL UNIT.

Laser Beam may be leaked out when in disassemble the Unit. As the Laser Beam used in this Remote control unit is harmful to the eyes.

CAUTION



LASER RADIATION
DO NOT STARE INTO BEAM
MAX. OUTPUT: 1mW
WAVE LENGTH: 660±20nm
CLASS II LASER PRODUCT

This product is complied with 21 CFR
part 1040.10

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
LASER-STRAHLUNG
NICHT IN DEN STRAHL BLICKEN
LASER KLASSE 2
レーザ放射クラス2レーザ製品
ビームをのぞき込まないこと
IEC60825-1, Am. 1 1997
MAX OUTPUT (最大出力) : 1 mW
WAVE LENGTH (波長) : 660±20nm

■ Specifications

Projector Type	Multi-media Projector
Dimensions (W x H x D)	390mm x 245mm x 585mm
Net Weight	17.8kg
LCD Panel System	1.8" TFT Active Matrix type x 3 panels
Number of Pixels	2,359,296 {786,432 (1,024 x 768) x 3}
Color System	6 color system (PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N)
Scanning Frequency	H-sync. 15 ~ 100kHz, V-sync. 50 ~ 120Hz
Projection Image Size (diagonal)	Adjustable from 40" to 600"
Horizontal Resolution	800 TV lines
Projection Lens	F2.0 ~ 2.3 lens with f75.7mm ~ 97.5mm Motor zoom and focus
Motor Lens Shift	± 760mm on 100" screen
Throw Distance	1.5m ~ 24.6m
Projection Lamp	440watt type
AV Input Jacks	BNC Type {Video/Y, C/Cb (B-Y), Cr (R-Y)} x 2 sets, Phono Type (Audio R and L) x 2 sets and DIN 4 pin (S-Video) x 2 sets
Video Monitor Output Jack	BNC Type {Video/Y, C/Cb (B-Y), Cr (R-Y)} x 1 set, and DIN 4 pin (S-Video) x 1 set
Audio Monitor Output Jack	RCA Type (R and L) x 1 set
Computer Input 1 Jack	MDR20-pin Terminal (Digital), HDB15-pin Terminal (Analog), Multi-pole 12 pin (Control port) and USB port
Computer Input 2 Jack	BNC Type (R, G, B, H and V), Multi-pole 12-pin (Control port) and USB port
Computer Audio Input Jack	Phono Type (R and L) x 2 set
Computer Output Jack	HDB15-pin Terminal
Computer Audio Output Jack	Phono Type (R and L) x 1 set
Other Jacks	Wired Remote Control Jack and Serial port (DB 9)
Built-in Speaker	INT. SP. Stereo (R and L), 3watt RMS (T.H.D. 10%)
Image Elevation Adjustment	Up to 4°
Voltage	200 ~ 240V AC, 50/60Hz
Power Consumption	3.6A (Max. Ampere)
Operating Temperature	5°C ~ 35°C
Storage Temperature	-10°C ~ 60°C
Remote Control Transmitters	Wireless Remote Control with Laser Beam (Class II Laser) Max. Output 1mW/Wave length 660 ±20nm, batteries (2) AA, UM3 or R06 type.
	Wireless/Wired Remote Control, batteries (2) AA, UM3 or R06 type.

Adjustments after Parts Replacement

● : Adjustment necessary

○ : Check necessary

		Disassembly / Replaced Part										
		LCD Panel			Integrator lens	Relay Lens	Polarized glass			Power Board	Sub Power Board	Main Board
		R	G	B			R	G	B			
Optical Adjustments	Focus Adjustment											
	R-Focus adjustment	●										
	G-Focus adjustment		●									
	B-Focus adjustment			●								
	Convergence Adjustment											
	R-Convergence adjustment	●	●									
	B-Convergence adjustment		●	●								
	Integrator Lens Adjustment				●							
	Relay Lens Adjustment					●						
	Contrast Adjustment											
	R-Contrast adjustment						●					
	G-Contrast adjustment							●				
	B-Contrast adjustment								●			
Electrical Adjustments	Output Voltage Adjustment									○		
	+6V Adjustment									○		
	+15V Adjustment									○		
	+12V Adjustment										○	
	DVCO Adjustment											●
	DC Adjustment											
	R-DC adjustment											●
	G-DC adjustment											●
	B-DC adjustment											●
	PSIG Adjustment											●
	Pedestal Adjustment-[CG]											●
	R-Pedestal adjustment											●
	G-Pedestal adjustment											●
	B-Pedestal adjustment											●
	Gain Adjustment-[CG]											●
	R-Gain adjustment											●
	G-Gain adjustment											●
	B-Gain adjustment											●
	Pedestal Adjustment-[AV]											●
	R-Pedestal adjustment											●
	G-Pedestal adjustment											●
	B-Pedestal adjustment											●
	Gain Adjustment-[AV]											●
	R-Gain adjustment											●
	G-Gain adjustment											●
	B-Gain adjustment											●
	Video Adjustment-[CG]											●
	R-Video adjustment											●
	G-Video adjustment											●
	B-Video adjustment											●
	Video Adjustment-[AV]											●
	R-Video adjustment											●
	G-Video adjustment											●
	B-Video adjustment											●
	Common Center Adjustment											●
	R-Common center adjustment	●										●
	G-Common center adjustment		●									●
	B-Common center adjustment			●								●
	Offset Adjustment-[AV]											●
	R-Offset adjustment											●
	G-Offset adjustment											●
	B-Offset adjustment											●
	Offset Adjustment-[CG]											●
	R-Offset adjustment											●
	G-Offset adjustment											●
	B-Offset adjustment											●
	White Balance Adjustment-[CG]	●	●	●								●
	White Balance Adjustment-[AV]	●	●	●								●
	White Uniformity Adjustment	○	○	○								○

■ Circuit Protections

This projector is equipped with the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

Fuse

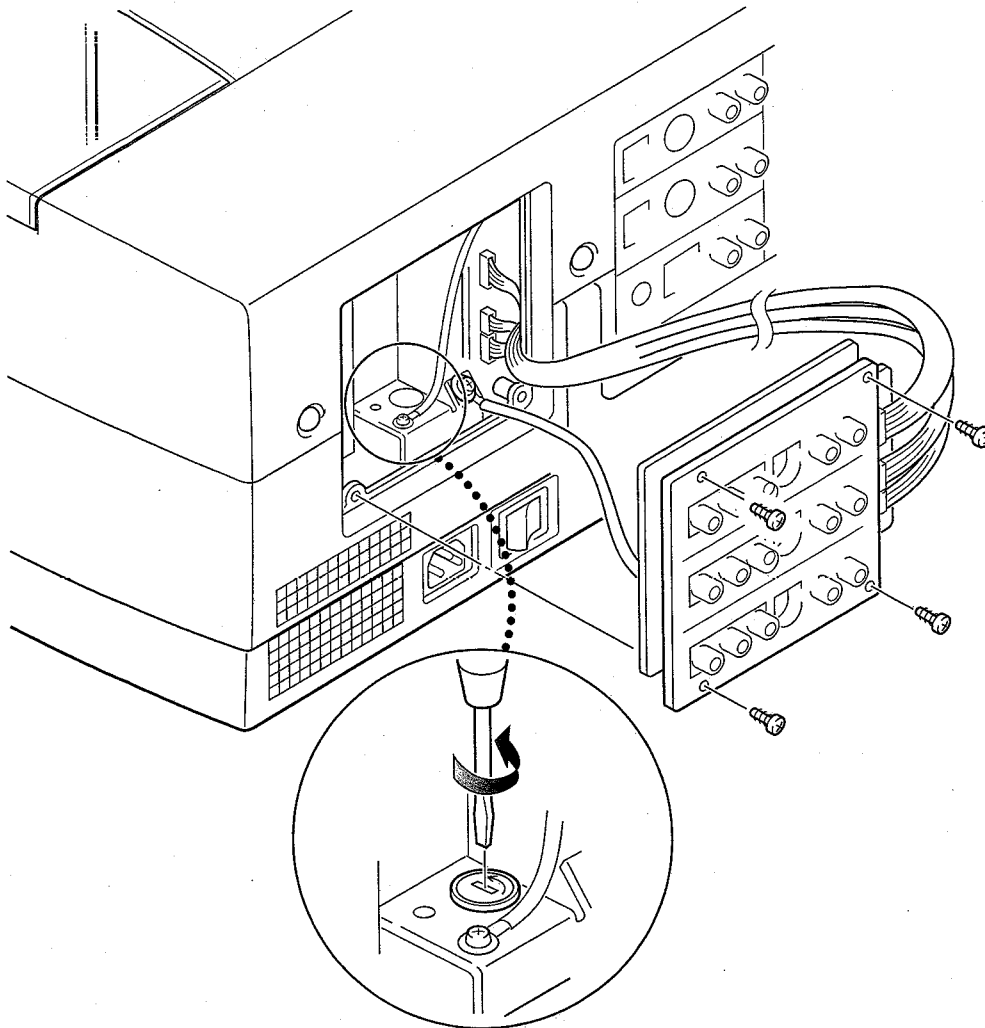
The fuse is located inside the projector. When the Mains switch on the rear panel is turned on and the lamp indicator does not illuminate, fuse may be open. Remove the AV board ass'y by following below and check the fuse.

It should be used the specified fuse as follows;

Fuse Part No.: 423 025 1201
TYPE T8.0AH 250V FUSE
LITTLE FUSE INC. TYPE 215008

How to replace the fuse

1. Remove 4 screws and pull out the AV Jack board ass'y.
 2. Insert slot screwdriver into a globe of the fuse holder, then push and turn the screwdriver in the arrow direction.
- To install the fuse, take reversed step in the above.



Warning temperature and power failure protection

The TEMP WARNING indicator flashes red and the projector will automatically turn off when the internal temperature of the projector exceeds the normal temperature or when stopping cooling fans or when the internal power supply lines are failed.

Check the following possible causes and wait until stopping the TEMP WARNING indicator flashing.

Possible causes

- Air filter is clogged with dust particles. Remove dust from the air filter by following instructions in the "Air filter care and cleaning" below.
- Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature place (Normal operating temperature is 5 to 35 °C)

If the TEMP WARNING indicator still continues to flash, there may be defects on cooling fans or power supply circuits. Please check fan operation and power supply lines referring to the "Power Supply Lines Chart".

Air Filter care and cleaning

The removable air filter prevents dust from accumulation on the surface of the projection lens and projection mirror. Should be the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat build up and reduce the life of the projector.

To clean up the air filter, follow the cleaning procedure below:

1. Turn the MAINS ON/OFF switch to OFF, and disconnect the AC power code from the AC outlet.
2. Remove the air filter cover.
Press the cover latch sideways and lift the cover.
3. Remove the air filter and sponge from the filter cover.
4. Clean the air filter with a vacuum cleaner.
5. Replace the air filter and sponge. Make sure that air filter cover is fully inserted.

CAUTION:

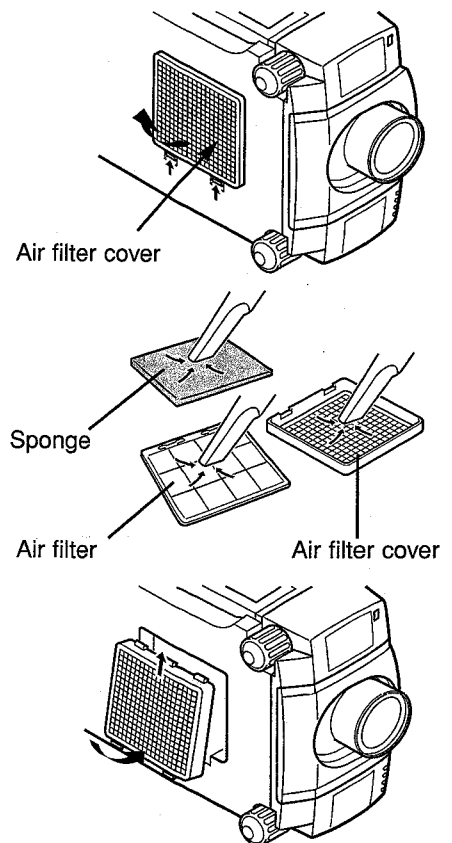
Do not clean with water. Doing so may damage the air filter.
Do not operate the projector with air filter removed.

RECOMMENDATION

We recommend to avoid dusty, smoky place for operating the projector. Using in dusty place may cause the picture of poor quality.

When using under the dusty or smoky conditions, dust may accumulate on the LCD panel and lens inside it, and may resultantly be projected on the screen together with the picture.

When the above symptoms are noticed, please clean up the LCD panel and lens following to the "Cleaning Method".



■ Mechanical Disassemblies

Mechanical disassemble should be made following procedures in numerical order.
Following steps show the basic procedures, therefore unnecessary step may be ignored.

Caution:

The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.

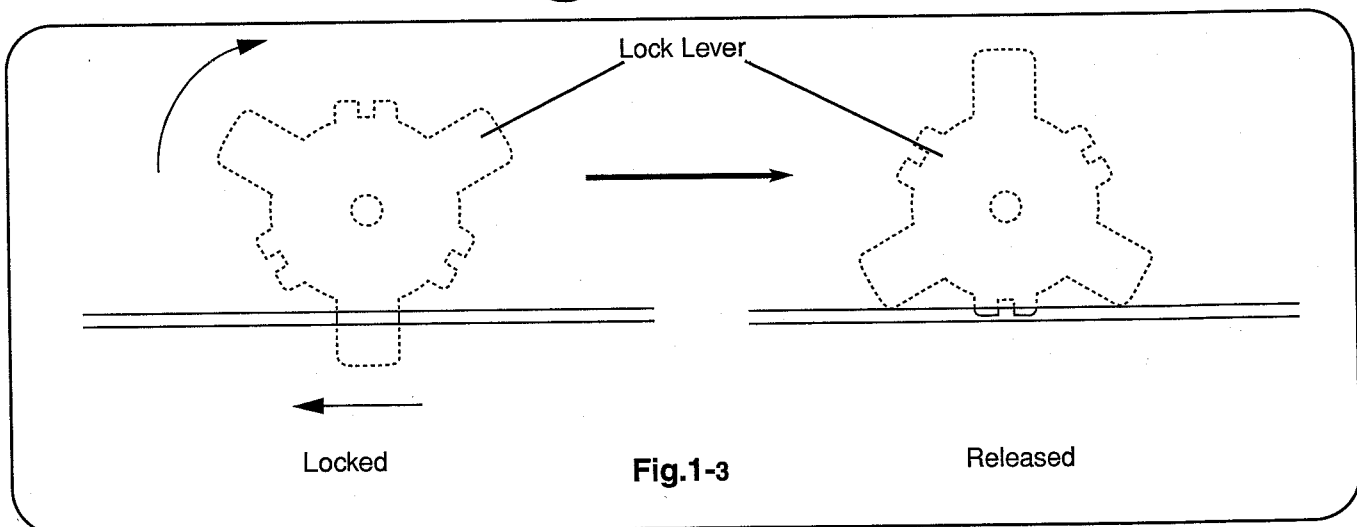
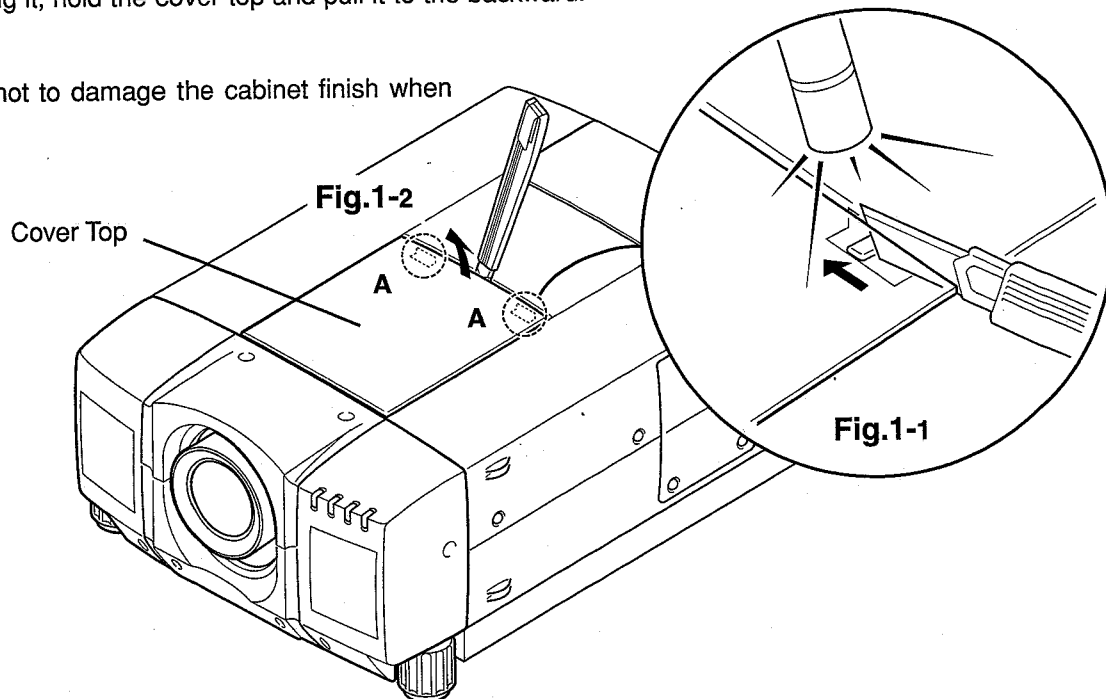
1. COVER TOP REMOVAL

The cover top is fixed by the 2 locked levers(A). When removing the top cover, turn the lock lever to the released position as shown in **Fig.1-3**.
The pen-type light and thin flat tool (like cutter knife) will be required to release the lock.

- 1) Confirm the position of the lock lever with the pen-light. Release the lock lever by sliding it laterally by using at the edge of the tool as shown in **Fig.1-1**.
- 2) Release the other lock lever in the same way.
- 3) Lift the cover top to the upward by the tool as shown in **Fig.1-2**.
- 4) After lifting it, hold the cover top and pull it to the backward.

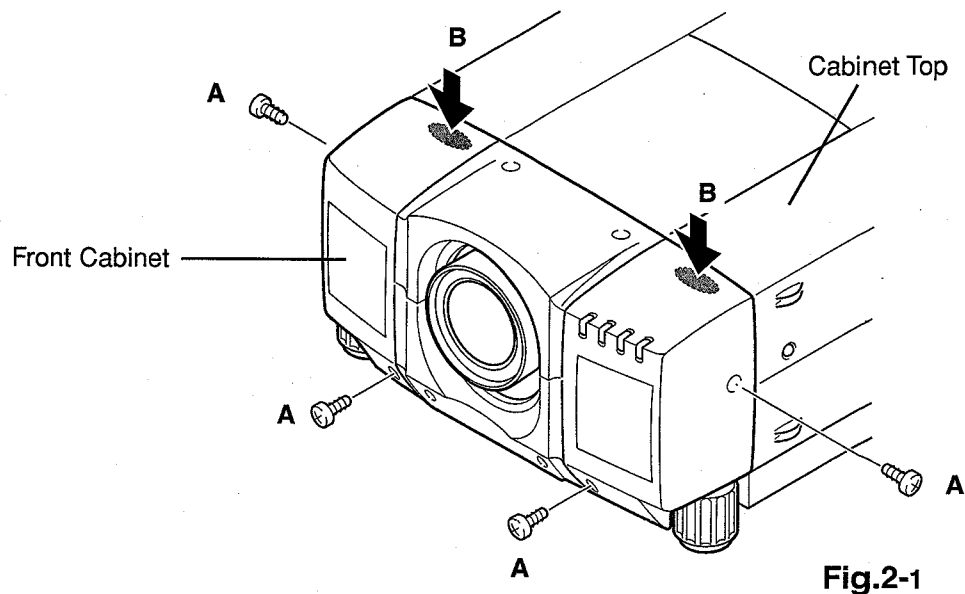
Note:

Be careful not to damage the cabinet finish when removing it.

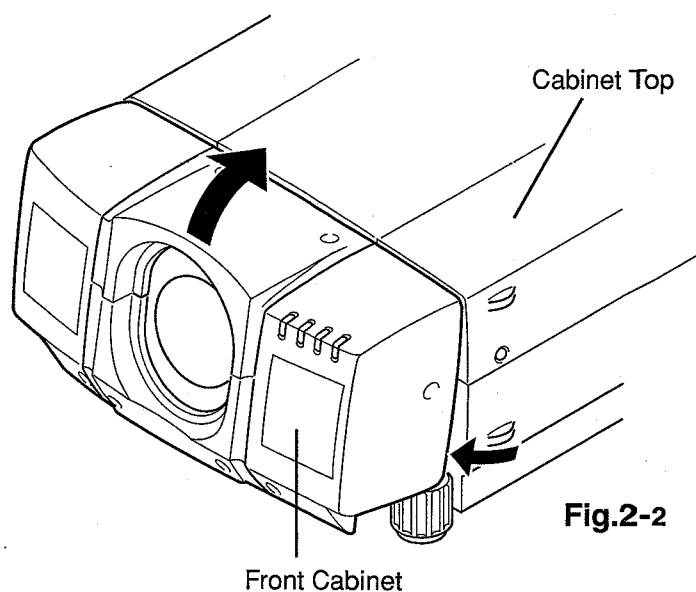


2. CABINET FRONT REMOVAL

- 1) Remove 4 screws (A) on the cabinet front.
- 2) Push down the part B of the cabinet front by finger (slight bent cabinet downward) and remove the engagement of it. See **Fig.2-1**. The front and top cabinets are engaged with 4 hooks at the top and 3 hooks at the lower part. See **Fig.2-4** on next page for location of the hooks. Release those hooks when separate the both cabinets.



- 3) Pull the lower side of the cabinet front forward and remove it as shown in **Fig.2-2**. Lower part is engaged with the 3 hooks. Push the cabinet front downward slightly and pull the lower forward.



* CABINET FRONT MOUNTING

- 1) Front and top cabinets are engaged with 4 hooks at the upper side and 3 hooks at lower side. See **Fig.2-4**. First engage the upper side at each end of the cabinet front with the cabinet top.

Then, push the lower of the cabinet in the direction of the arrow and engage the lower part of cabinet front with the lower part of cabinet top. See **Fig.2-4**.

It is not enough to engage the upper side of the cabinet front with the upper side of the top cabinet. Follow the next steps for engaging them completely.

- 2) See **Fig.2-3**. Slightly push the cabinet front backward and pushing arrow points of the cabinet top until each hooks are fitted.

Push the arrow point in the order if the number. Space should not be obtained between the cabinet front and the cabinet top. Engage both cabinets until no space observed between both cabinets.

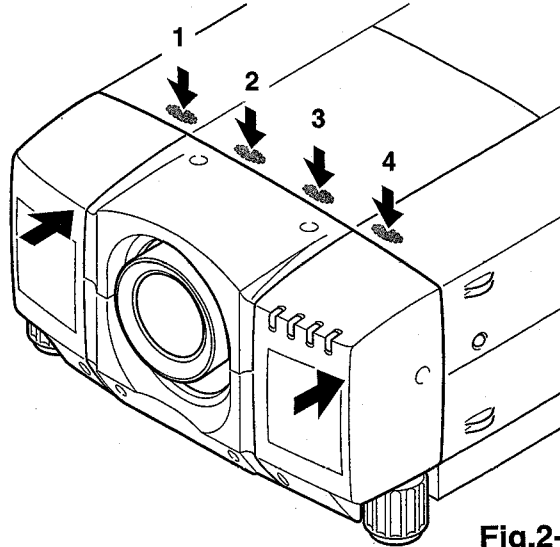


Fig.2-3

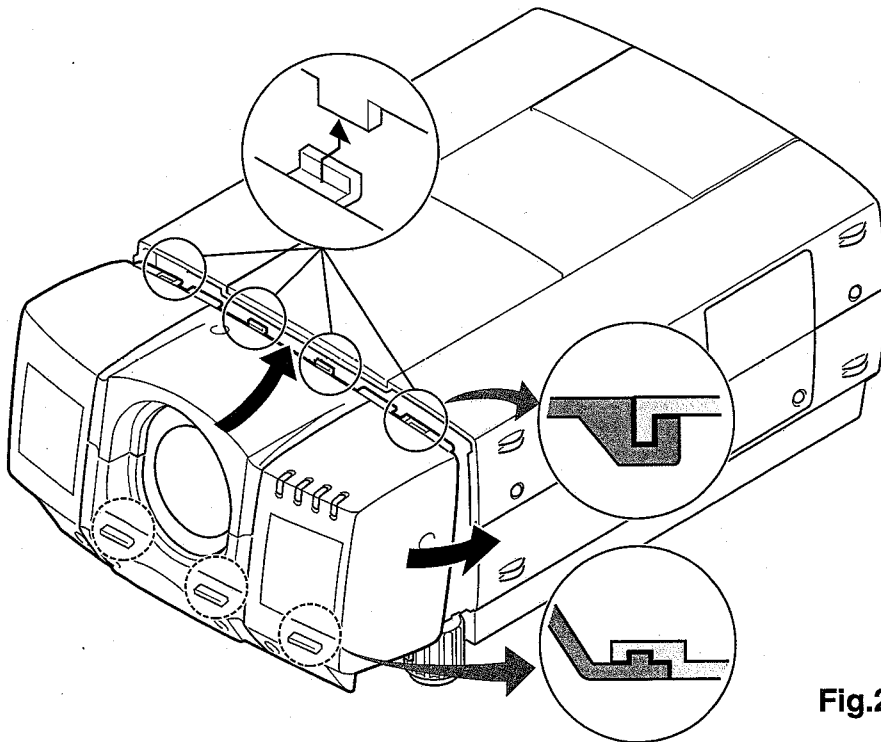
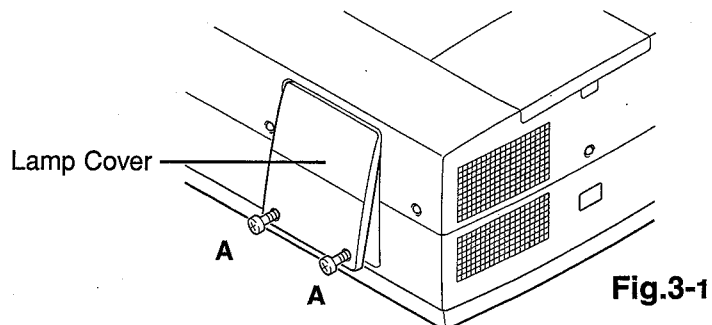


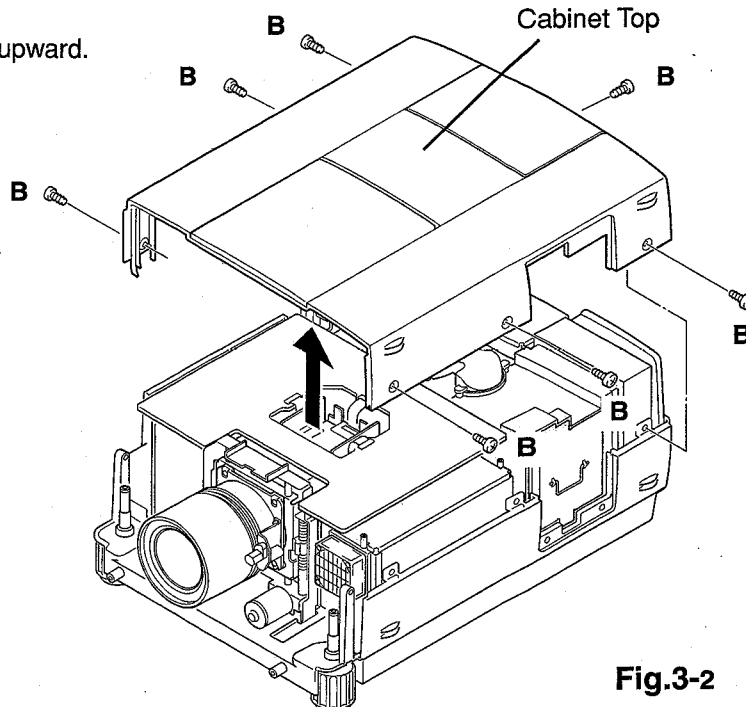
Fig.2-4

3. LAMP COVER and CABINET TOP REMOVAL

- 1) Loose 2 screws (A) on side of the cabinet and remove the lamp cover.

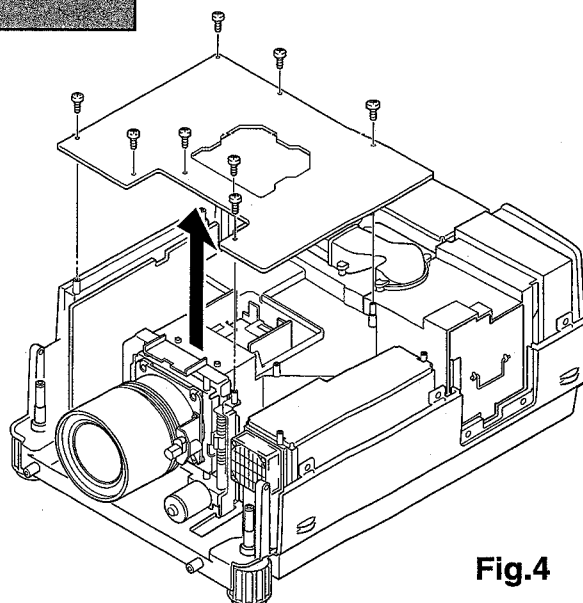


- 2) Remove 7 screws (B) and pull the cabinet top upward.



4. MAIN BOARD REMOVAL

- 1) Disconnect the connectors and FPC on the main board.
- 2) Remove 8 screws and pull the main board upward.



5. LAMP BALLAST, VIDEO BOARD and FAN(FN905) REMOVAL

- 1) Remove 2 screws (A) and disconnect the lamp socket.
- 2) Remove 4 screws (B) and pull the lamp ballast unit upward.
- 3) Release 4 hooks (C) on the shield box and remove the shield cover.
- 4) Pull out the lamp ballast unit by sliding it to the upward.
- 5) Remove 2 screws (D) and remove the FAN (FN905).
- 6) Remove 2 screws (E) and remove video board.

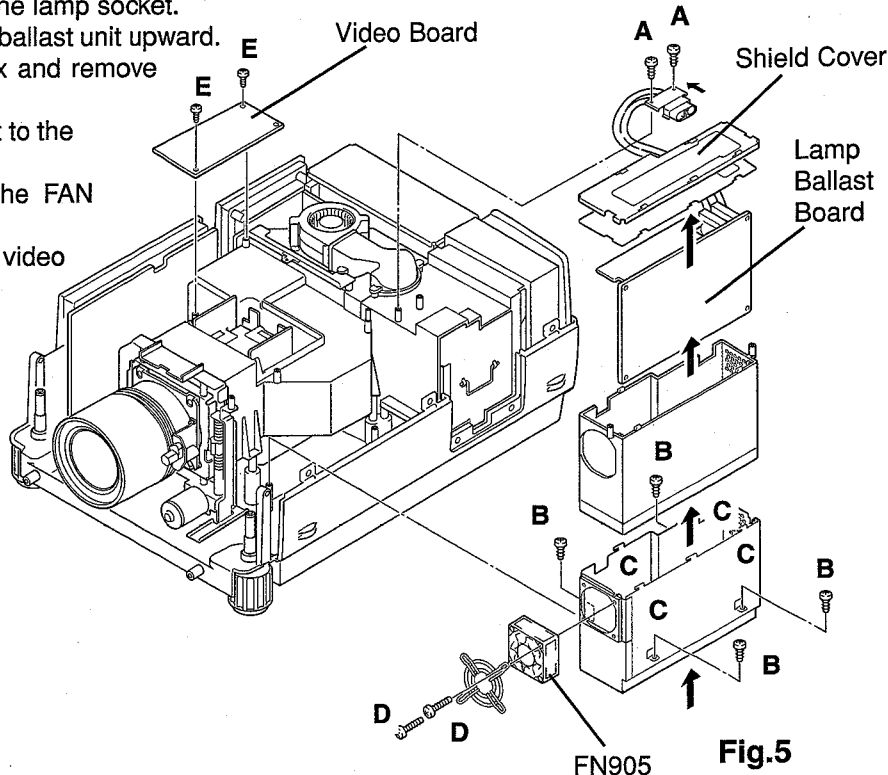


Fig.5

6. AV JACK BOARD REMOVAL

- 1) Pull out the AV Jack board ass'y upward and remove a screw (A).
- 2) Remove 4 screws (B) and then take out AV Jack board ass'y.
- 3) Remove 6 screws (C) and 4 screws (D), then remove the AV Jack board.

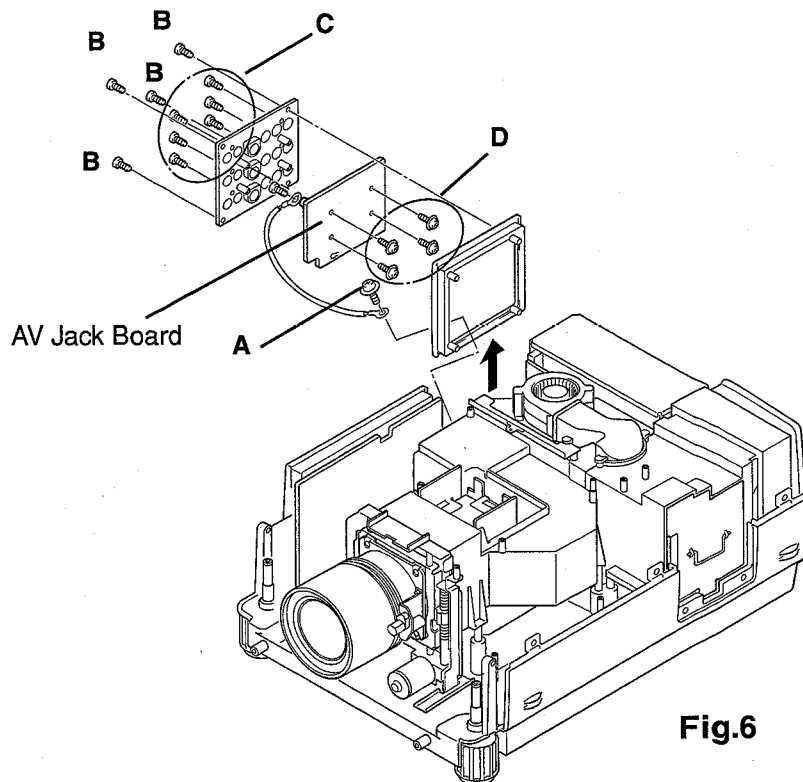


Fig.6

7. POWER, SUB POWER BOARD and FAN(FN903, FN904) REMOVAL

- 1) Remove 2 screws (A) and remove the FAN(FN903).
- 2) Remove 4 screws (B) and remove the duct cover.
- 3) Remove 2 screws (C) and remove the Sub Power board.
- 4) Remove 4 screws (D) and remove the shield box.
- 5) Release 4 hooks (E) on the shield box and remove the shield box cover.
- 6) Remove the Power unit by sliding it to the upward.
- 7) Remove 2 screws (F) and remove the FAN(FN904).

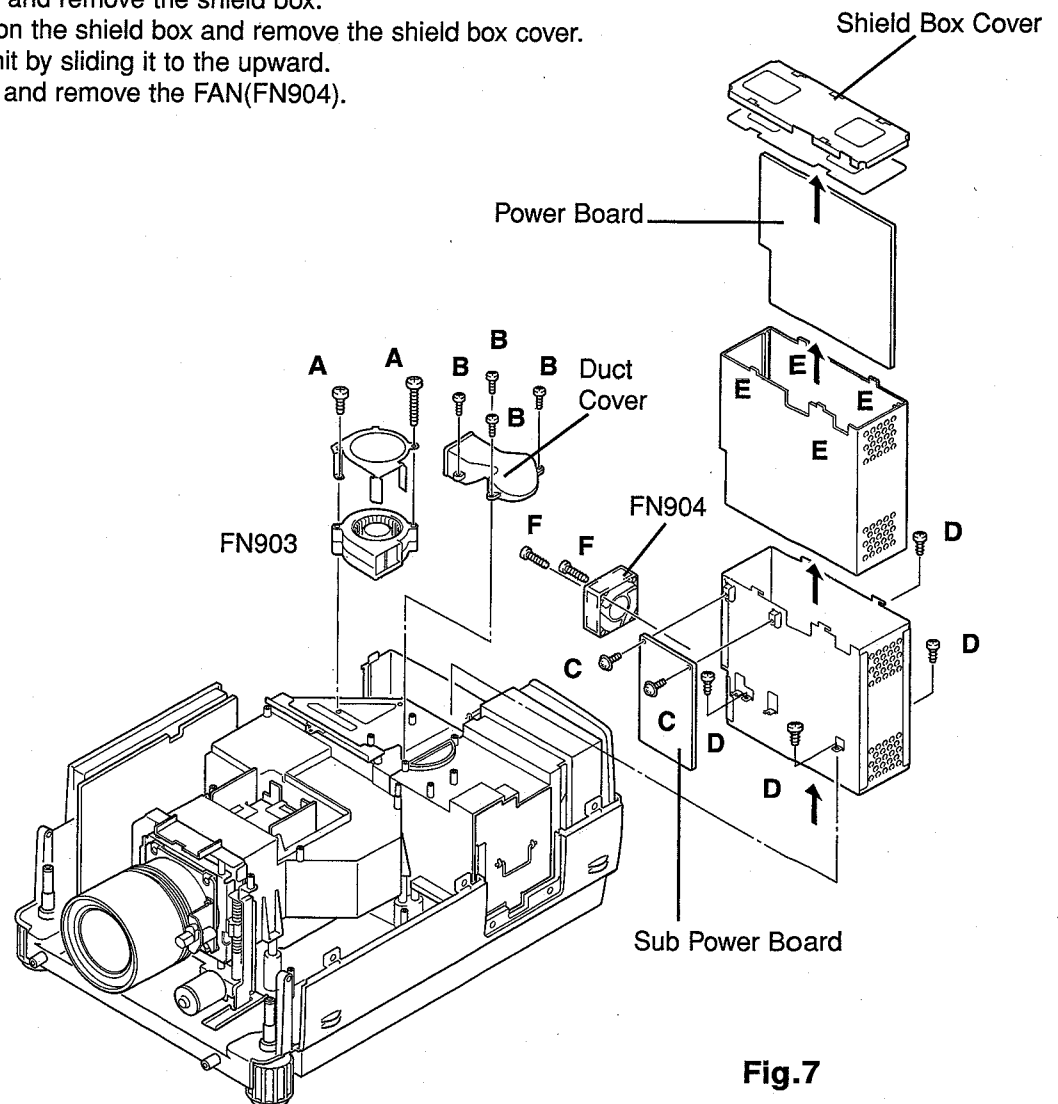


Fig.7

8. INTERFACE BOARD REMOVAL

- 1) Remove a screw (A) and remove the ground wire.
- 2) Pull out the Interface Panel ass'y by sliding it upward.
- 3) Remove 6 screws (B) and 5 screws (C), then remove the Interface board.

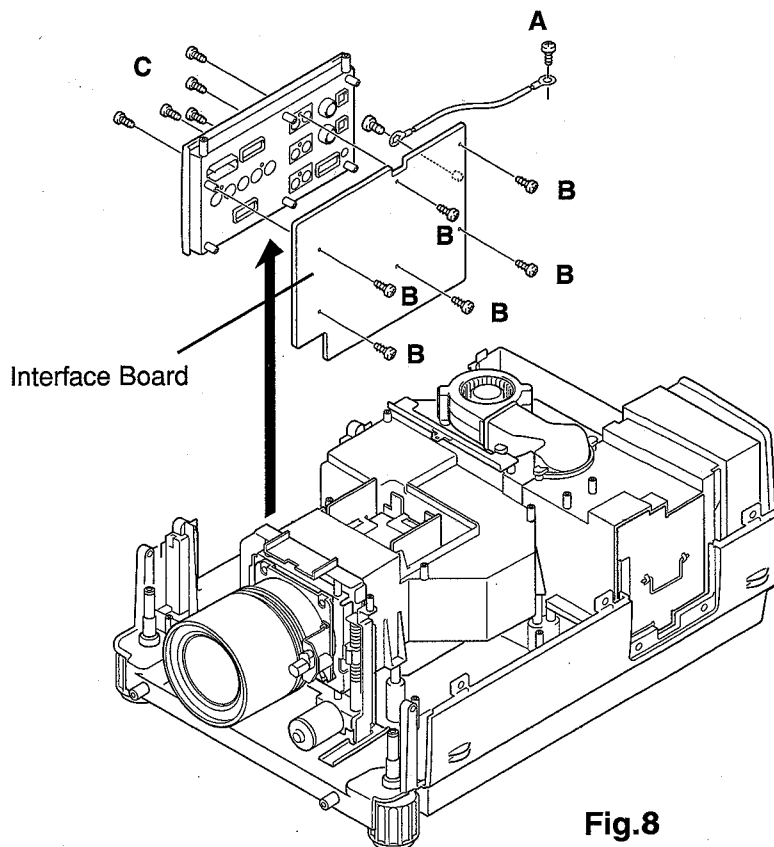


Fig.8

9. MAINS SWITCH ASS'Y REMOVAL

Remove 4 screws and the pull out the Mains Switch Ass'y.

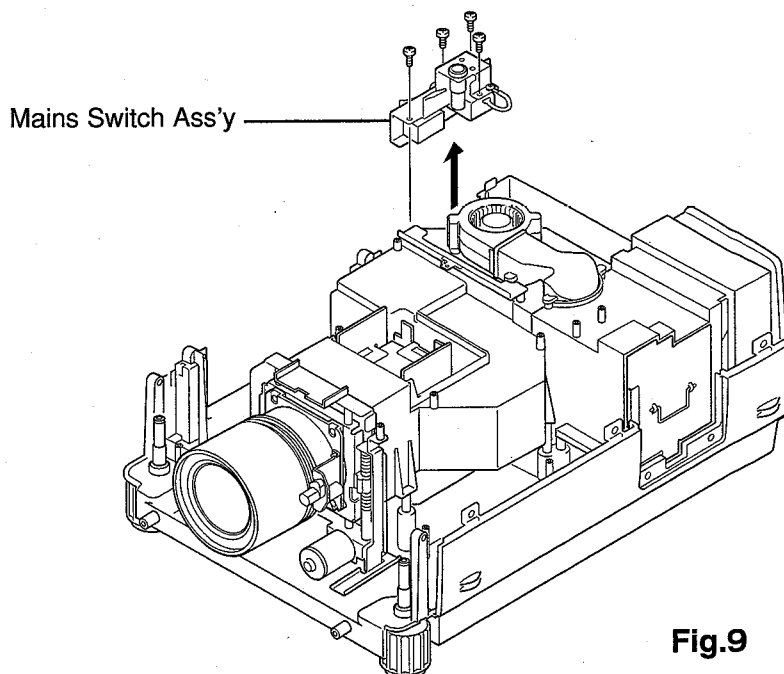


Fig.9

10. OPTICAL UNIT and FAN (FN901, FN902, FN906, FN907) REMOVAL

- 1) Remove 9 screws (A) and pull out the Optical Unit Ass'y upward.
- 2) Remove 4 screws (B) and remove the Lamp Box.
- 3) Remove 4 screws (C) and then pull out the Duct Cover and FAN (FN902).
- 4) Remove 4 screws (D) and remove the Duct In Cover.
- 5) Remove 6 screws (E) and remove FAN (FN901, FN906, FN907).
- 6) Remove 2 screws (F) and remove the Interlock Switch (SW902).
- 7) Remove 2 screws (G) and remove the Net Unit.

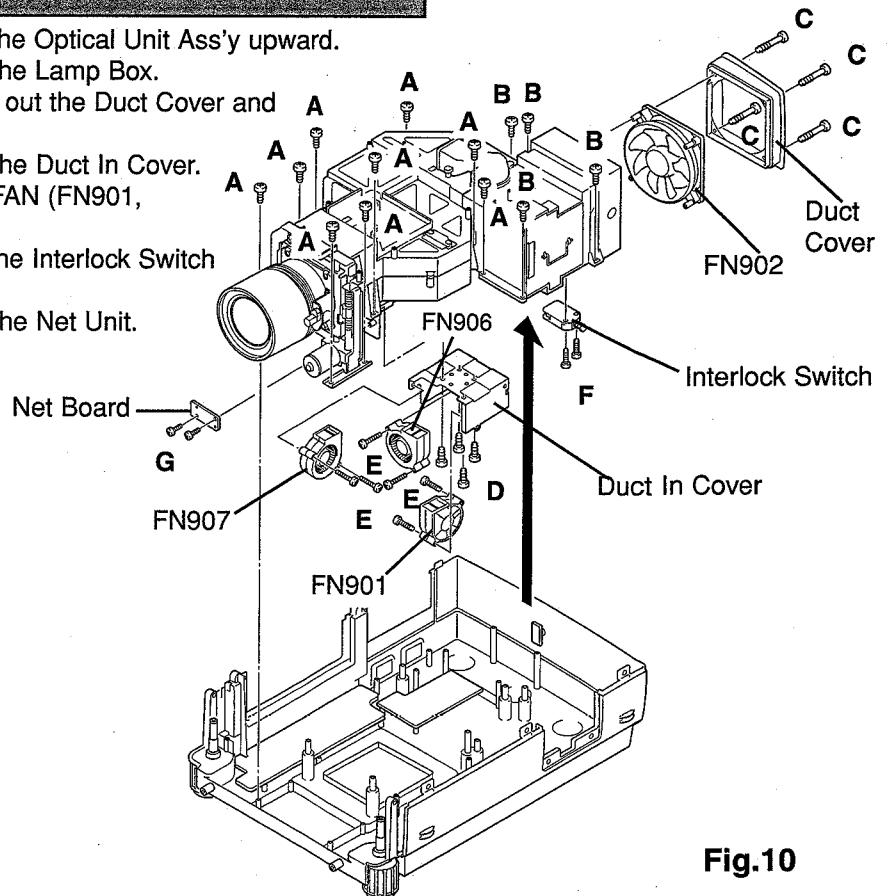


Fig.10

11. MOTHER, FILTER and RC2 BOARD REMOVAL

- 1) Remove 5 screws (A) and remove the Mother board.
- 2) Remove 4 screws (B) and remove the Filter board.
- 3) Remove a screw (C) and remove the RC2 board.

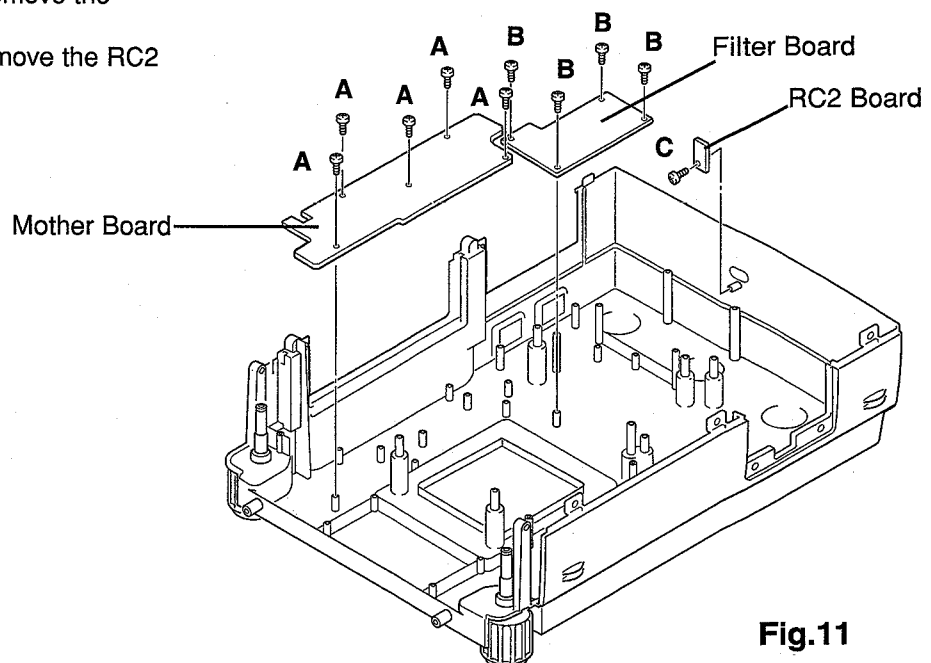


Fig.11

■ Optical Unit Disassemblies

Remove the Cabinet Front , Lamp Cover, Cabinet Top and Main Unit by following to steps 2 to 4 of "Mechanical Disassemblies", before proceeding these disassemblies.

1. PROJECTOR LENS REMOVAL

Remove 4 screws (Hexial screws) and remove the Projector Lens.

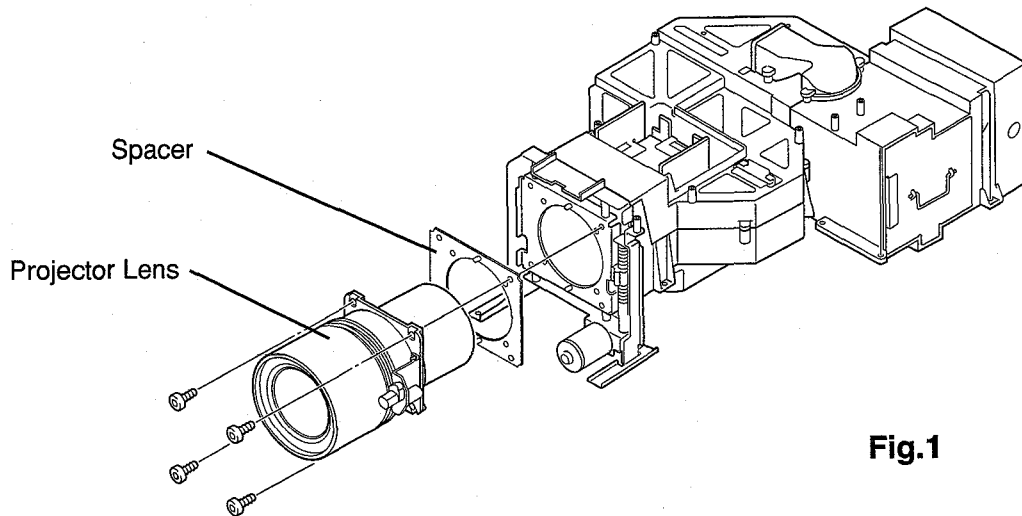


Fig.1

2. LENS HOLDER ASS'Y REMOVAL

Remove 4 screws and remove the Lens Holder ass'y.

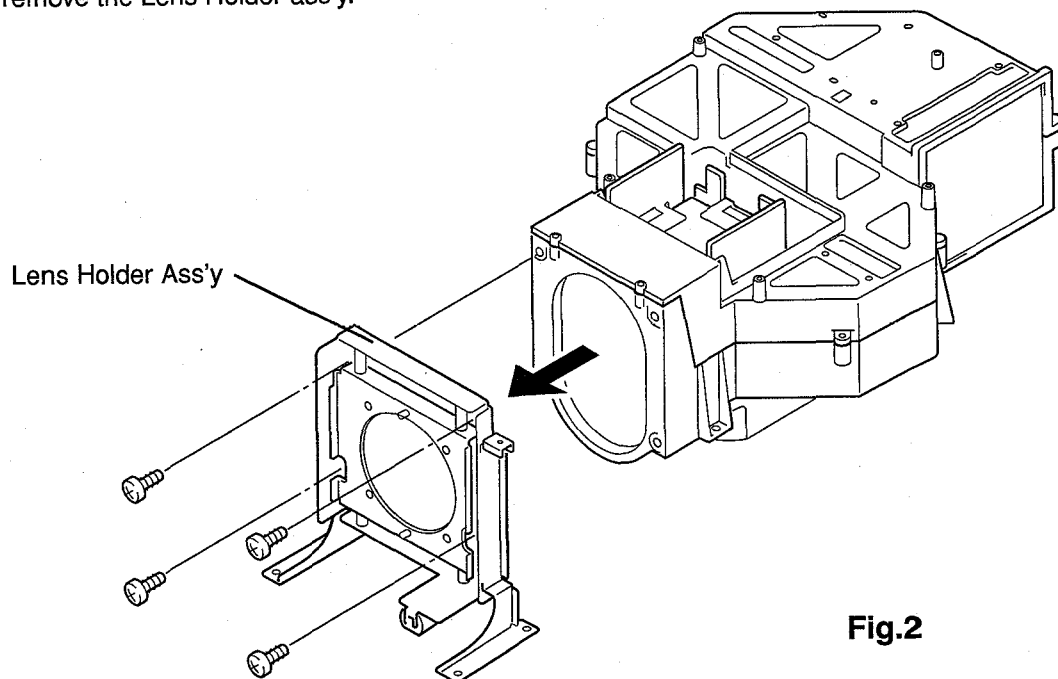


Fig.2

3. INTEGRATOR, RELAY LENS and POLARIZED GLASS REMOVAL

- 1) Remove 2 screws (A) and pull out the Integrator Lens ass'y upward.
- 2) Remove 2 screws (B) and pull out the Relay Lens ass'y upward.
- 3) Remove 3 screws (C) and pull out the Polarized Glass ass'y upward.

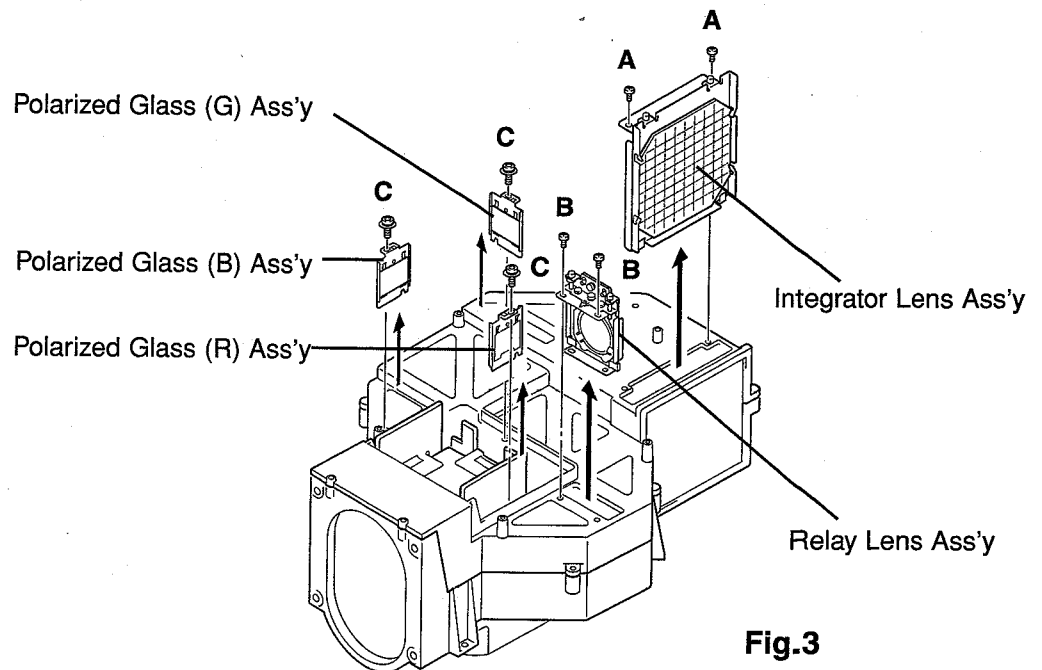


Fig.3

4. OPTICAL UNIT TOP REMOVAL

Remove 9 screws and then pull out the Optical Unit Top upward.

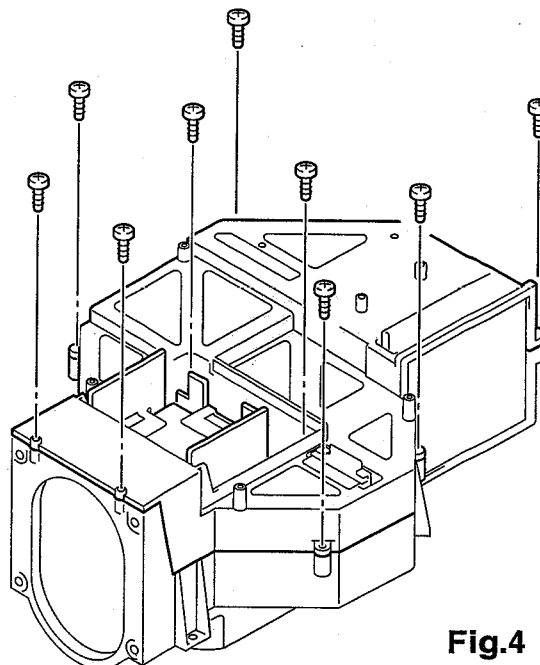
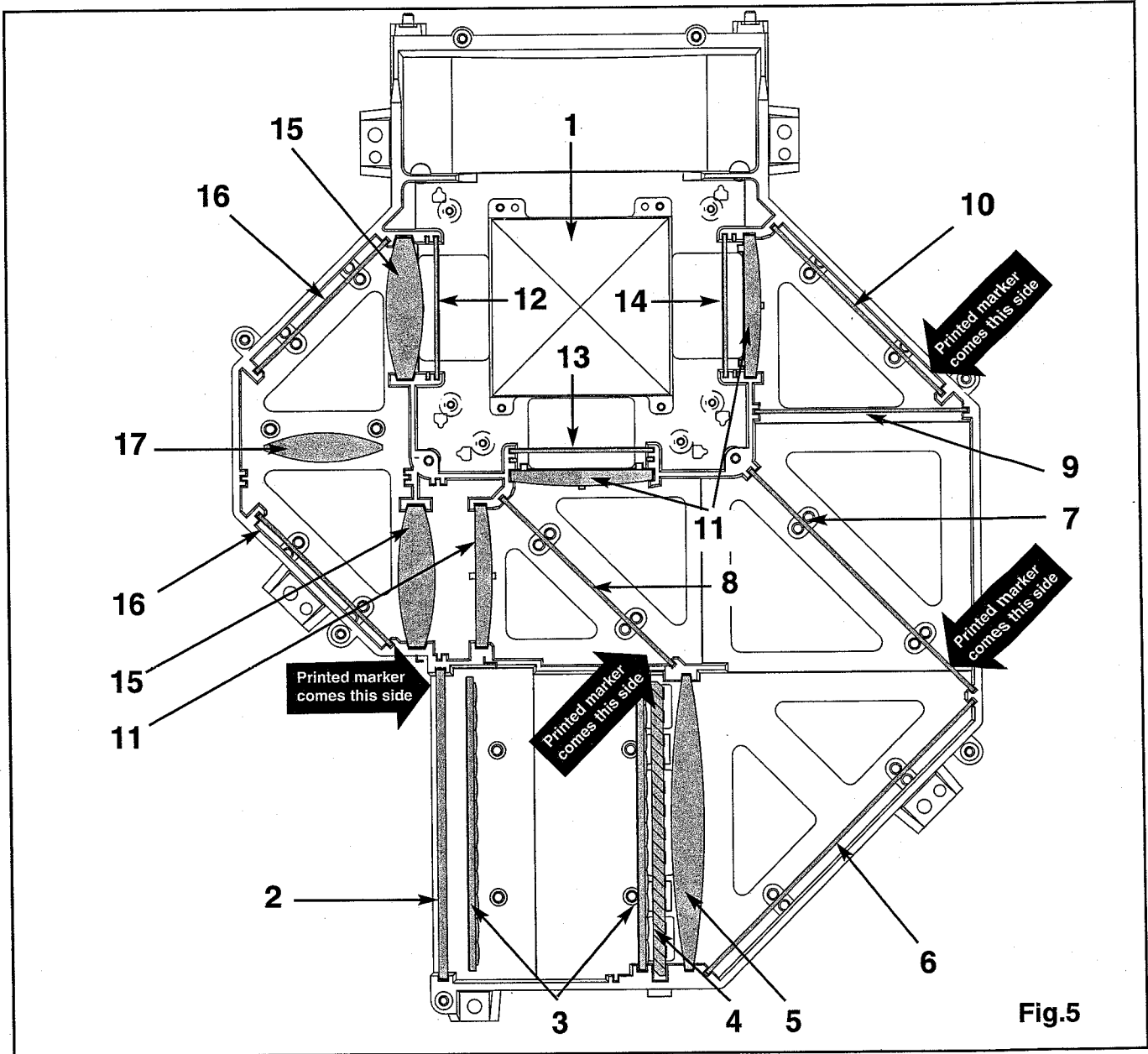


Fig.4

Parts Name and Locations

When the optical parts mounting or assembling, the parts must be mounted in the specified location and direction. Please refer to the figure below and "Mounting direction of optical parts" on next page.

No.	Part name	No.	Part name
1	Prism	10	Mirror (B)
2	Optical filter UV/IR	11	Condenser lens
3	Integrator lens	12	Polarized glass (IN/R)
4	Prism (Polarized Beam Splitter)	13	Polarized glass (IN/G)
5	Condenser lens (IN)	14	Polarized glass (IN/B)
6	Mirror (W)	15	Relay lens (IN)
7	Dichroic mirror (B)	16	Mirror (R)
8	Dichroic mirror (G)	17	Relay lens (OUT)
9	Optical filter		



Mounting direction of optical parts

The optical parts must be mounted in specified direction otherwise the picture image will not reproduce correctly.

● Integrator lens (Ref No. 3) mounting direction

Mount the Integrator lens as shown in Fig.5 and Fig.6.

● Polarized beam splitter (Ref No. 4) mounting direction

Mount the Polarized beam splitter as shown in Fig.5 and Fig.6.

Note: The marking comes upper right corner viewing from the projected side and the marking comes lower right corner viewing from the lighting source side.

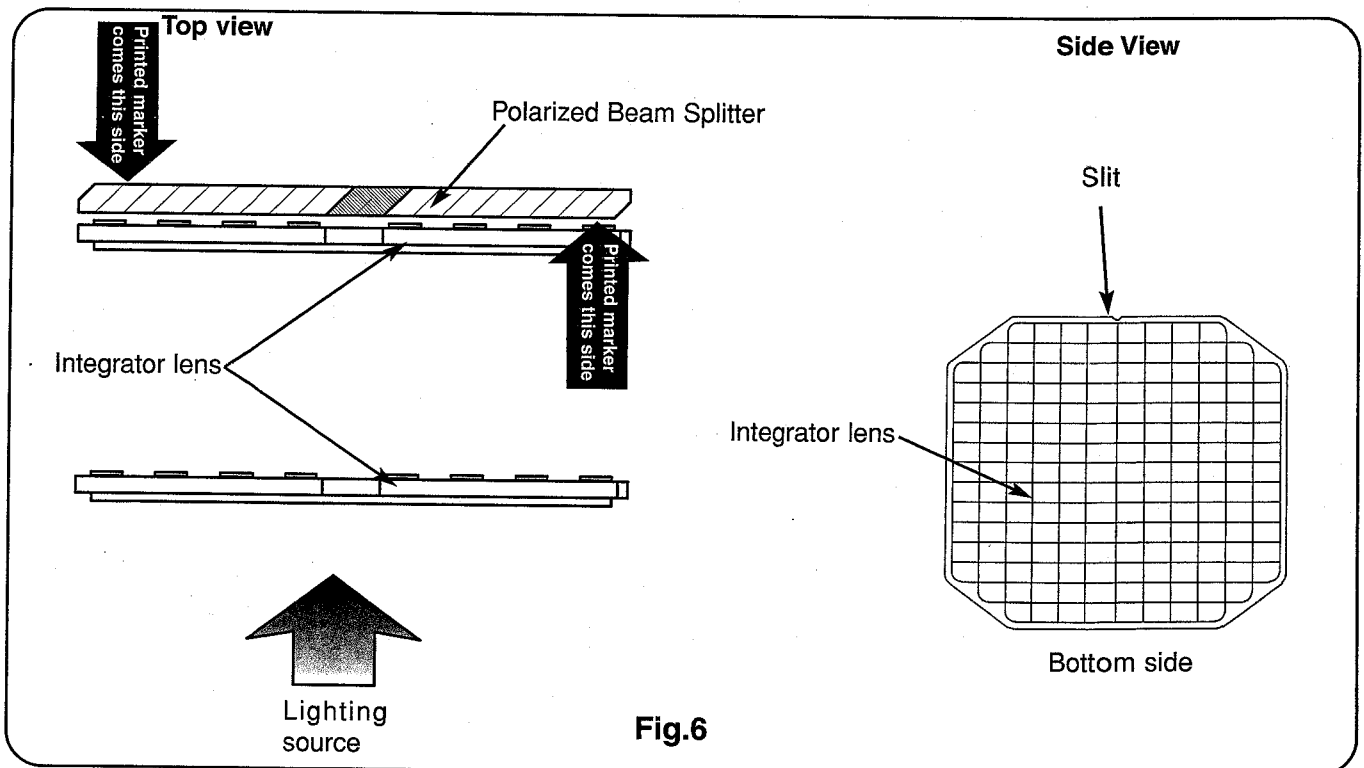


Fig.6

● Mirror (Ref.No.6, 10, 16) mounting direction

Mount the mirror with coating side(mirror side) inside.

● Optical filter (Ref No. 2) mounting direction

Mount the optical filter as the printed marker (Lot No.) comes left side viewing from the lighting source side.

● Polarized glass (Ref No. 12, 13, 14) mounting direction

Mount the Polarized glass as the face which the polarized sheet is attached to prism side.

● Lens mounting

Lens (Ref.No. 11) must be mounted as shown in Fig.5.

Lens (Ref.No. 5, 15, 17) has no mounting direction.

● Dichroic Mirror (Ref No. 7, 8) mounting

Dichroic mirrors must be mounted as shown in Fig.5.

■ Lamp Replacement

WARNING:

- For continued safety, replace with a lamp assembly of the same type.
- Allow the projector to cool for at least 45 minutes before you open the lamp cover. The inside of the projector can become very hot.
- Do not drop the lamp module or touch the glass bulb! The glass can shatter and cause injury.

Service Parts No.: 610 280 4225

Description: Lamp Assy (POA-LMP20J)

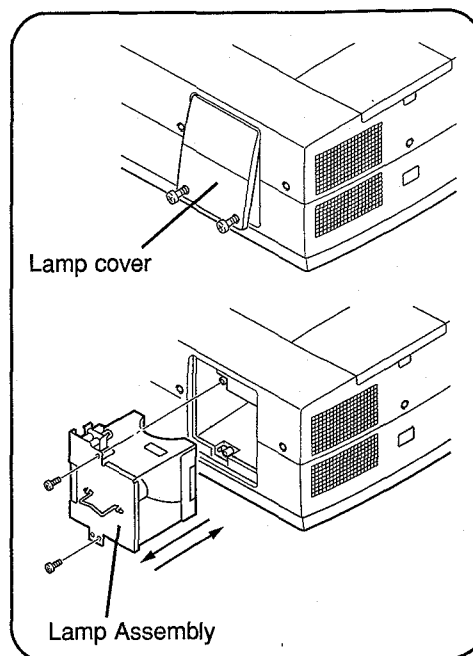
Procedure

1. Turn off the projector and allow the projector to cool thoroughly.
2. Disconnect the AC cord from the projector.
3. Loose 2 screws with a screwdriver and remove the lamp cover.
4. Remove 2 screws and pull out the lamp assembly by grasping the handle.
5. Replace the lamp assembly securely and tighten 2 screws.
6. Place the lamp cover and tighten 2 screws.
7. Connect the AC cord to the projector.

8. Reset the lamp replacement monitor timer, see below explanation.

Note:

- Do not reset the LAMP REPLACEMENT MONITOR TIMER, except after the lamp is replaced.
- The projector can not be turned-on with the lamp cover removed, because when the lamp cover is removed, the interlock switch is also released to switch off the mains power for safety.



How to reset the lamp replacement monitor timer

1. Turn the projector on. Press the **MENU** button on the projector and display menu bar. Select setting menu and select "Lamp age" on the setting menu of menu bar.
2. "Lamp replace monitor Reset?" is displayed for confirmation. Select "Yes" to reset the lamp replace timer.

Please refer to the owners manual for further information.

Recommendation


Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat build up and short lamp life. We recommend cleaning the air filter after the projection lamp is replaced.

Refer to "Air Filter Cleaning".

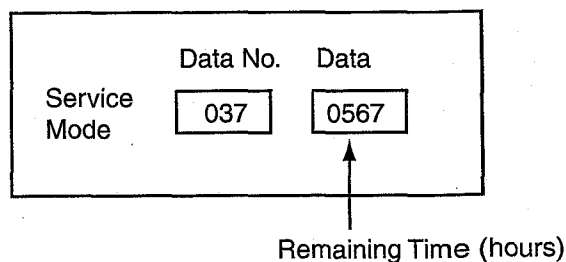
How to check the lamp life remaining time

The LAMP REPLACE indicator will illuminate and the LAMP REPLACE warning message will appear on the screen when the total illumination time of lamp reaches to the specified hours. These are to indicate that lamp replacement is necessary.

You can check the lamp life remaining time by following procedure.

1. Press and hold the pointer  button for more than 20 seconds. The service mode window will be displayed on the screen as shown right.
2. You can see the lamp life remaining time.
For example: "0567" means 567 hours remaining.

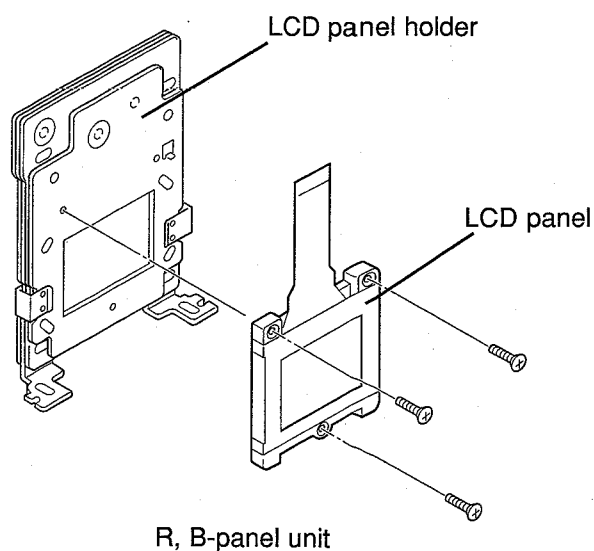
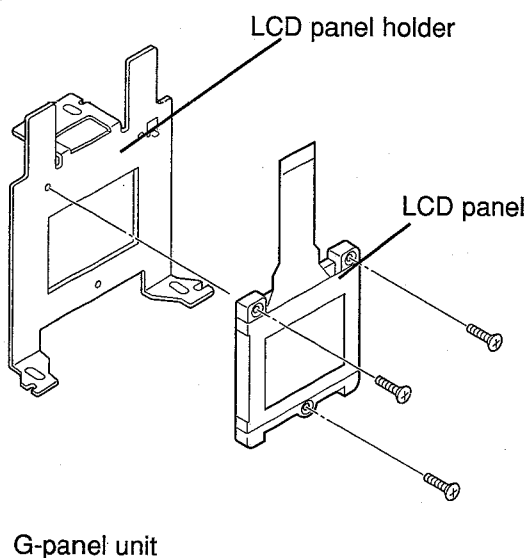
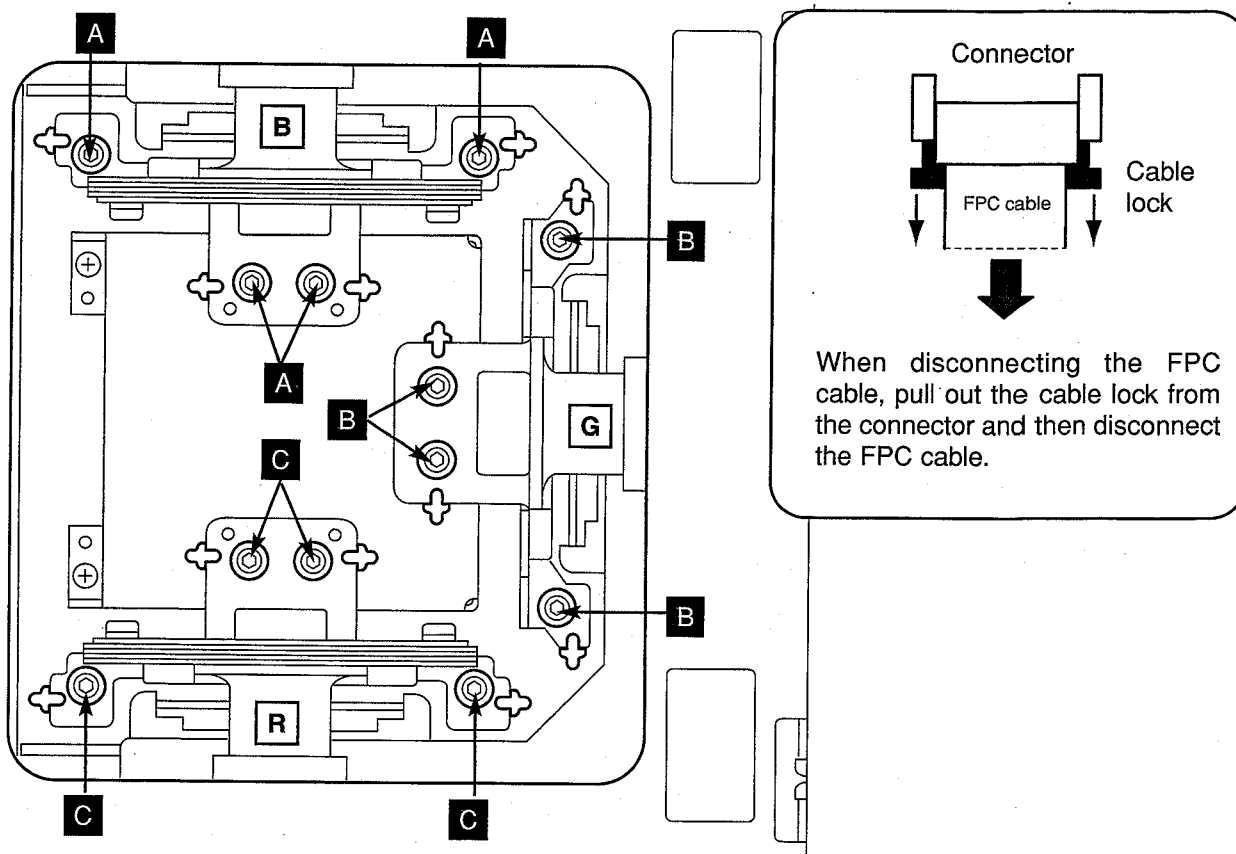
3. Press the **POWER ON-OFF** button to quit the service mode.



■ LCD Panel Replacement

1. Remove the cabinet cover following to step 1 of "Mechanical Disassemblies".
2. Remove the FPC cable on the main board.
3. Remove 4 screws(A) for B-Panel, 4 screws(B) for G-Panel and 4 screws(C) for R-Panel and pull the each LCD panel upward.
4. Remove 3 screws to take off the LCD panel from the panel holder.

When the LCD panel is replaced, it is required to re-adjust the white balance, focus, convergence and common center adjustments, and white uniformity adjustment if required. (Refer to the Optical and electrical adjustment.)



■ Electrical Adjustments

● Service Adjustment Menu Operation

To enter the service mode

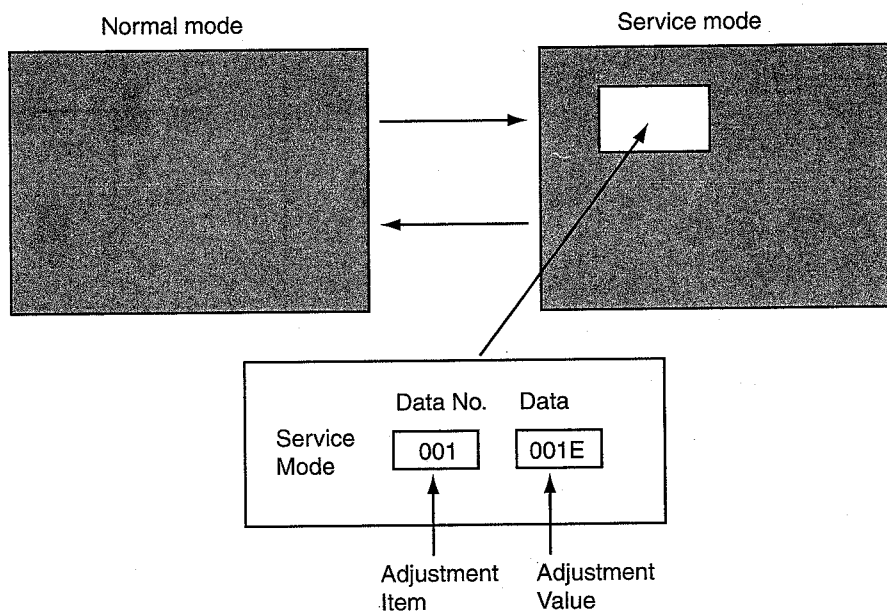
To enter the "Service Mode", press the **MENU** and **NORMAL** button on the projector and hold for 3 seconds.

To adjust service data

Select the adjustment item by pressing the pointer \odot or \ominus button, and change the value by pressing the **VOLUME** \oplus or **VOLUME** \ominus button. Refer to the service adjustment data table on next page for further information.

To return to the normal mode

To return to the "Normal mode", press the **POWER ON-OFF** button on the projector or remote control unit.



● Memory IC Replacement

IC806 and IC807 store the data for the service adjustments, and should not be replaced except for the case of defective product.

If replaced, it should be performed the re-adjustments following to the "Electrical Adjustments".

IC806 stores the data for the white uniformity compensation adjustment. IC807 stores the data for all service adjustments without IC806 stored.

The lamp life remaining time is stored in the IC807, and it can be confirmed at the data no. 37 of service mode. Please note that the lamp life remaining time is reset to the default value when the memory IC (IC807) is replaced.

(Lamp life remaining time can not be set to the previous value.)

● Caution to memory IC replacement

When IC806 or IC807 is replaced with new one, the CPU writes down the default data of the service adjustments to the ICs, refer to the service adjustment table.

As these data are not the same data as factory shipped data, it should be required to perform the re-adjustments following to the "Electrical Adjustments".

Please note that the lamp life remaining time is reset to the default value.

● Caution of Main Board replacement (in the case IC806 or IC807 is not damaged)

When the main board is replaced, IC806 and IC807 should be replaced with the one on previous main board. After replacement, it should be required to perform the re-adjustments following to the "Electrical Adjustments".

In this case, the lamp life remaining time and the white uniformity compensation data can be kept the value as before.

● Service Adjustment Data Table

The initial value is the reference data writing to the memory IC by the CPU ROM when the memory IC replacing. The Adjustment item which is indicated with "*" is required to readjusted in the "Electrical adjustments". Other items should be used in the initial data value.

No.	Adjustment Item	Initial Value				Range	Description
000	DAC RED CENTER	007F *				0000 ~ 00FE	* R-DC adjustment
001	DAC GREEN CENTER	007F *				0000 ~ 00FE	* G-DC adjustment
002	DAC BLUE CENTER	007F *				0000 ~ 00FE	* B-DC adjustment
003	PSIG1	0060 *				0000 ~ 00FF	* PSIG adjustment
004	PSIG2	0090 *				0000 ~ 00FF	* PSIG adjustment
005	D-G RED Sub-Bright for PC	FFF0 *				FC00 ~ 03FF	Digital-Gamma Red Sub-Bright, * R-Pedestal adjustment-[CG]
006	D-G RED Sub-Gain for PC	0043 *				0000 ~ 00FF	Digital-Gamma Red Sub-Gain, * R-Gain adjustment-[CG]
007	D-G GREEN Sub-Bright for PC	FFF0 *				FC00 ~ 03FF	Digital-Gamma Green Sub-Bright, * G-Pedestal adjustment-[CG]
008	D-G GREEN Sub-Gain for PC	0043 *				0000 ~ 00FF	Digital-Gamma Green Sub-Gain, * G-Gain adjustment-[CG]
009	D-G BLUE Sub-Bright for PC	FFF0 *				FC00 ~ 03FF	Digital-Gamma Blue Sub-Bright, * B-Pedestal adjustment-[CG]
00A	D-G BLUE Sub-Gain for PC	0043 *				0000 ~ 00FF	Digital-Gamma Blue Sub-Gain, * B-Gain adjustment-[CG]
00B	D-G RED Sub-Bright for AV	FFF0 *				FC00 ~ 03FF	Digital-Gamma Red Sub-Bright, * R-Pedestal adjustment-[AV]
00C	D-G RED Sub-Gain for AV	0043 *				0000 ~ 00FF	Digital-Gamma Red Sub-Gain, * R-Gain adjustment-[AV]
00D	D-G GREEN Sub-Bright for AV	FFF0 *				FC00 ~ 03FF	Digital-Gamma Green Sub-Bright, * G-Pedestal adjustment-[AV]
00E	D-G GREEN Sub-Gain for AV	0043 *				0000 ~ 00FF	Digital-Gamma Green Sub-Gain, * G-Gain adjustment-[AV]
00F	D-G BLUE Sub-Bright for AV	FFF0 *				FC00 ~ 03FF	Digital-Gamma Blue Sub-Bright, * B-Pedestal adjustment-[AV]
010	D-G BLUE Sub-Gain for AV	0043 *				0000 ~ 00FF	Digital-Gamma Blue Sub-Gain, * B-Gain adjustment-[AV]
011	D-G GREEN Gamma Gain PC	007F *					* G-Video adjustment-[CG]
012	D-G GREEN Gamma Bright PC	03FF *					* G-Video adjustment-[CG]
013	D-G RED Gamma Gain PC	007F *					* R-Video adjustment-[CG]
014	D-G RED Gamma Bright PC	03FF *					* R-Video adjustment-[CG], * White balance adjustment-[CG]
015	D-G BLUE Gamma Gain PC	007F *					* B-Video adjustment-[CG]
016	D-G BLUE Gamma Bright PC	03FF *					* B-Video adjustment-[CG], * White balance adjustment-[CG]
017	D-G GREEN Gamma Gain AV	007F *					* G-Video adjustment-[AV]
018	D-G GREEN Gamma Bright AV	03FF *					* G-Video adjustment-[AV]
019	D-G RED Gamma Gain AV	007F *					* R-Video adjustment-[AV]
01A	D-G RED Gamma Bright AV	03FF *					* R-Video adjustment-[AV], * White balance adjustment-[AV]
01B	D-G BLUE Gamma Gain AV	007F *					* B-Video adjustment-[AV]
01C	D-G BLUE Gamma Bright AV	03FF *					* B-Video adjustment-[AV], * White balance adjustment-[AV]
01D	DAC RED DLYCNT	00F3				0000 ~ 00FF	
01E	DAC GREEN DLYCNT	00F3				0000 ~ 00FF	
01F	DAC BLUE DLYCNT	00F3				0000 ~ 00FF	
020	DAC RED COM	0020 *				0000 ~ 00FF	* R-Common Centre adjustment
021	DAC GREEN COM	0020 *				0000 ~ 00FF	* G-Common Centre adjustment
022	DAC BLUE COM	0020 *				0000 ~ 00FF	* B-Common Centre adjustment
		AV	AV(Inverted)	CG	CG(Inverted)		
023	DAC RED OFFSET	00C0 *	00C0	00C0 *	00C0	0000 ~ 00FF	* R-Offset adjustment-[AV]
024	DAC GREEN OFFSET	00C0 *	00C0	00C0 *	00C0	0000 ~ 00FF	* G-Offset adjustment-[AV]
025	DAC BLUE OFFSET	00C0 *	00C0	00C0 *	00C0	0000 ~ 00FF	* B-Offset adjustment-[AV]
026		--					
027	VCO Frequency Range-1 Set	0130					Dot Clock setting for PSD=3, PFD=5, Fbk_Sel=1
028	VCO Frequency Range-2 Set	0285					Dot Clock setting for PSD=3, PFD=6, Fbk_Sel=1
029	VCO Frequency Range-3 Set	0295					Dot Clock setting for PSD=3, PFD=7, Fbk_Sel=1
02A	VCO Frequency Range-4 Set	0380					Dot Clock setting for PSD=2, PFD=6, Fbk_Sel=1
02B	VCO Frequency Range-5 Set	0440					Dot Clock setting for PSD=2, PFD=7, Fbk_Sel=1
02C	VCO Frequency Range-6 Set	1200					Dot Clock setting for PSD=1, PFD=6, Fbk_Sel=1
02D	VCO Frequency Range-7 Set	1340					Dot Clock setting for PSD=1, PFD=7, Fbk_Sel=1
02E	VCO Frequency Range-8 Set	2200					Dot Clock setting for PSD=0, PFD=6, Fbk_Sel=0
02F	Auto Image Input Level Setting	0070				0000 ~ 00FF	Decide Input signal level for Auto Image operation
030	DVCO	0D30 *					VCO Default Adjustment of VPC (Auto tuning), * DVCO adjustment
031	ondo_sw	0000					Auto Image
032	ondo_keisuu	0000					Auto Image
033	ondo_now	--					Auto Image (monitor only)
034	ondo_fsync	--					Auto Image (monitor only)
		COMPUTER		VIDEO			
035	H Filter Look Up Table	0001		0001		0 ~ 9	
036	V Filter Look Up Table	0001		0001		0 ~ 9	
037	Lamp Life Remaining Time	1000				---	Read Only (Remaining time to the End of Lamp Life in hours)
038		--					
039	NEC Gate Array Gamma A	00C0		00C0			
03A	NEC Gate Array Gamma B	0060		0060			

Electrical Adjustments

No.	Adjustment Item	Initial Value						Range	Description
03B	NEC Gate Array Gamma C	0020		0020					
03C	NEC Gate Array Contrast Ref.	0000		0000					
03D	NEC Gate Array Contrast Data	0000		0000					
03E	NEC Gate Array Brightness Data	DFA4		0000					
03F	NEC Gate Array Sharpness Data	Less than XGA Cmp =0000						--	Effective only Computer Mode (It operates as sharpness when Video Mode)
		Less than XGA True =0000							
		Less than XGA Exp =0003							
		SXGA Cmp =0005							
		SXGA True =0001							
		SXGA Exp =0005							
		UXGA Cmp =000B							
		UXGA True =0001							
		UXGA Exp =0003							
		D I/F Compress =0005							
		D I/F True =0000							
		D I/F Expand =0005							
RGB =000A									
HDTV =0000									
		VPC-In		CIP Y/Cr/Cb-In		CIP R/G/B-In			
		525Line	625Line	525Line	625Line	525Line	625Line		
040	AV Normal Horiz. Zoom	006F	0076	006D	007F	006E	007D		
041	AV Normal Vert. Zoom	00A6	008C	00A4	0089	00A3	008A		
042	AV Normal H Position	0041	0021	0032	002E	0049	004E		
043	AV Normal V Position	0022	0031	001A	0025	0019	0026		
044	AV Normal H Blanking Start	0054	0054	0052	0052	0051	0053		
045	AV Normal H Blanking End	024A	024B	024C	024C	024D	024B		
046	AV Normal V Blanking Start	000D	000F	0013	0012	0015	0011		
047	AV Normal V Blanking End	0306	0305	0303	02F9	0305	0302		
048	AV Wide Mode Horiz. Zoom	006F	0077	006E	0080	008C	0064		
049	AV Wide Mode Vert. Zoom	0079	006A	007B	006A	0064	0064		
04A	AV wide Mode H Position	0041	0028	0032	0033	0016	0016		
04B	AV Wide Mode V Position	0014	0014	000F	000F	0016	0016		
04C	AV Wide Mode H Blanking Start	0053	0052	0078	0052	0090	0090		
04D	AV Wide Mode H Blanking End	024C	024C	0276	024C	0318	0318		
04E	AV Wide Mode V Blanking Start	0074	0073	0055	0070	0000	0000		
04F	AV Wide Mode V Blanking End	02A4	02AF	02A6	02AD	03FF	03FF		
050	AV/RGB IN H-Blanking Set Offset	0000							
051	AV/RGB IN H-Blanking Reset Offset	0000							
052		--							
053		--							
054		--							
055		--							
056	RS232C Waiting Time	0006						2 ~ 25	
057	Logo Mark Display Setting	0001						0 or 1	0000=Off, 0001=On
058	Shootout Setting	0000						0 ~ 3	0000=Normal, 0001=Shootout1, 0002=Shootout2, 0003=SHootout3
059		--							
05A	Lamp Option Data	1000							
05B	RS232C Bit Rate Option	0001						0 or 1	0000=9600, 0001=19200
05C	NOR PRG Control	0000							
05D	AV Option Data	0000						0 or 1	0000=AV Exist, 0001=No AV mode
05E		--							
05F	Position S&H Adjusting Bar(Temp)	0006							
		SXGA		UXGA		OTHER			
060	ICS1523 No.1 DPA Offset	003E		002E		0000			Effective only DIF Input
061	ICS1523 No.1 DPA Control	0000		0000		0000			Effective only DIF Input
062	ICS1523 No.1 Phase Detector Gain	0006							
063	ICS1523 No.1 Post Scalar Divider	0002							
064	ICS1523 No.2 Input Control	00C3							
065	ICS1523 No.2 Loop Control	0007							
066	ICS1523 No.2 FdBk Div 0	005C							
067	ICS1523 No.2 FdBk Div 1	0000							
068	ICS1523 No.2 DPA Offset	0000							
069	ICS1523 No.2 DPA Control	0000							
06A	ICS1523 No.2 Output Enables	003F							
06B	ICS1523 No.2 Osc Div	00E2							
06C	ICS1523 No.2 Reset	005A							
06D	ICS1523 No.3 Input Control	0037							

Electrical Adjustments

No.	Adjustment Item	Initial Value						Range	Description
06E	ICS1523 No.3 Loop Control	0012							
06F	ICS1523 No.3 FdBk Div 0	00B8							
070	ICS1523 No.3 FdBk Div 1	000C							
071	ICS1523 No.3 DPA Offset	00B2							
072	ICS1523 No.3 DPA Control	0000							
073	ICS1523 No.3 Output Enables	001F							
074	ICS1523 No.3 Osc Div	0000							
075	ICS1523 No.2 Reset	0059							
076		--							
		VPC-In		CIP-Y/Cr/Cb-In		CIP-R/G/B-In			
		525Line	625Line	525Line	625Line	525Line	625Line		
077	Progressive Scan PDH_HBLKS	0395	035E	0390	02FE	03AA	0350		
078	Progressive Scan PDI_HBLKE	0566	04AB	054D	04C1	0575	0503		
079	Progressive Scan PDJ_VBLKS	01FA	025A	01F3	025A	01F7	0257		
07A	Progressive Scan PDK_VBLKE	0029	003B	0026	002F	0026	0032		
07B	Progressive Scan ON/OFF Set	0001						0000 or 0001	0000=Prog.Scan OFF, 0001=Prog.Scan ON
		HDTV			U.S. HDTV				
07C	HDTV Total Dot	0496		0496		0496		0000 ~ 270F	Initial value=1466
07D	HDTV Vertical Scale	0070		0070		0070		0000 ~ 0C80	Initial Value=1.25
07E	HDTV H-Position	0071		0071		0071		->	0000 ~ Total Dots - 10
07F	HDTV V-Center Position	006C		006C		006C		0000 ~ 03FF	
080	HDTV H BLANK Start	004F		004F		004F		0000 ~ 03FF	
081	HDTV H BLANK End	024D		024D		024D		0000 ~ 03FF	
082	HDTV V BLANK Start	0064		0064		0064		0000 ~ 03FF	
083	HDTV V BLANK End	02B0		02B0		02B0		0000 ~ 07FF	
084	HDTV V-Position	000E		FFFD		FFFD		->	0000 ~ Total Line - 10
085	Progressive Scan PDO_HENS	0045	0045	0045	0045	0045	0045		
086	Progressive Scan PDO_HENR	0400	03B2	0401	03B2	0401	03B2		
087	Progressive Scan PDP_VENS	001C	0029	001C	0034	001C	0034		
088	Progressive Scan PDP_VENR	01FF	025C	01FE	025A	01FE	025A		
089		--							
08A		--							
08B		--							
08C		--							
08D		--							
08E		--							
08F		--							
090		--							
091		--							
092		--							
093		--							
094		--							
095		--							
096		--							
097		--							
098		--							
099		--							
09A		--							
09B		--							
09C		--							
09D		--							
09E		--							
09F		--							
0A0		--							
0A1		--							
0A2		--							
0A3		--							
0A4		--							
0A5		--							
0A6		--							
0A7		--							
↓	Omitted	Omitted							
0BC		--							
0BD		--							

Electrical Adjustments

No.	Adjustment Item	Initial Value						Range	Description
		VPC-In		CIP Y/Cr/Cb-In		CIP R/G/B-In			
		525Line	625Line	525Line	625Line	525Line	625Line		
0BE	CIP noissu	0001	0001	0001	0001	0000	0000		
0BF	CIP noissv	0001	0001	0001	0001	0000	0000		
0C0	CIP noissy	0001	0001	0001	0001	0000	0000		
0C1	CIP satu	0024	0024	0024	0024	0018	0018		
0C2	CIP satv	0027	0024	0027	0024	001F	001F		
0C3	CIP saty	001B	001C	0029	0029	002C	002C		
0C4	CIP bry	00F8	00F7	00F7	00F7	00F7	00F7		
0C5	CIP CBSON	--						0000 or 0001	CBSON bit monitor of CIP3250A 0000=VPC, 0001=YUV or RGB
0C6	CIP SMODE	0001		0001		0001			
0C7	CIP clsel	0001		0001		0001			
0C8	VPC xick	0000							
0C9	CIP SKWON	0001							
0CA	CIP lpfum	0000							
0CB	CIP cylum1	0000							
0CC	CIP cylum2	0000							
0CD	CIP cycchr1	0000							
0CE	CIP cycchr2	0000							
0CF	CIP lpfchr	0000							
0D0	CIP se_4_8q	0000							
0D1	CIP selamp	0000							
0D2	CIP dl1on	0001							
0D3	CIP cdel	000		0000		0000			
0D4	CIP ydel	0000							
0D5	CIP clpstrt	0015	0029	--	--	--	--		
0D6	CIP clpstop	0034	0046	--	--	--	--		
0D7	CIP skewlat	0000							
0D8	CIP DL2	0048							
0D9	CIP tbi	0000							
0DA		--							
0DB	VPC sgain	001A							
0DC	VPC avopre	0000							
0DD	VPC cmode	0000							
0DE	VPC lmode	0000							
0DF	VPC colbaren	0000							
0E0	VPC hplimd	0003	0003	0001	0001	0001	0001		
0E1	VPC vpk	0004							
0E2	VPC vdg	0002							
0E3	VPC hdg	0003							
0E4	VPC ddr	0000							
0E5	VPC hlpgain	0313							
0E6	VPC uoffs	0040							
0E7	VPC cor	0000							
0E8	VPC llc_offset	0000							
0E9	VPC sub_tint	FFFA							
		PAL	SECAM	NT433	NTSC	PALM	PALN		
0EA	VPC cbw	0003	0002	0002	0003	0002	0002		
0EB	VPC ifc	0001	0003	0000	0000	0001	0001		
0EC	VPC ldiy	0001	FFFC	0000	0002	0000	FFFF		
0ED	VPC nosel	0000	0001	0002	0003	0002	0003		
0EE	VPC kilvl	0010	0010	0010	0008	0010	0010		
		VPC-In		CIP Y/Cr/Cb-In		CIP R/G/B-In			
		525Line	625Line	525Line	625Line	525Line	625Line		
0EF	VPC linlen	047F	03FF	--	--	--	--		
0F0	VPC newlin	0082	0040	--	--	--	--		
0F1	VPC hcstrt	0000	0000	001F	0000	0000	0000		
0F2	VPC hcstop	0065	0051	004B	0058	0039	002E		
0F3	VPC avstrt	006E	006F	--	--	--	--		
0F4	VPC avstop	047B	03FD	--	--	--	--		
0F5	VPC vsdel	0000	0000	--	--	--	--		
0F6	VPC flim	03C3	03C3	--	--	--	--		
0F7	VPC llc_start	0FF6	0FF6	--	--	--	--		
0F8	VPC llc_stop	0004	0004	--	--	--	--		
0F9	VPC llc_dflimit	0036	0036	--	--	--	--		

Electrical Adjustments

No.	Adjustment Item	Initial Value						Range	Description
		VPC-In		CIP Y/Cr/Cb-In		CIP R/G/B-In			
		525Line	625Line	525Line	625Line	525Line	625Line		
0FA	VPC ilc_clockh	002A	0FDE	--	--	--	--		
0FB	VPC ilc_clockh	0AAB	0D08	--	--	--	--		
0FC	VPC ilc_clockl	0003	0003	--	--	--	--		
0FD	VPC asr	--							Read Only
0FE	VPC noise	--							Read Only
0FF	VPC nlpf	--							Read Only
100	Gamma Red point 0 for PC	0000							
101	Gamma Red point 1 for PC	0330							
102	Gamma Red point 2 for PC	0484							
103	Gamma Red point 3 for PC	0620							
104	Gamma Red point 4 for PC	0700							
105	Gamma Red point 5 for PC	0750							
106	Gamma Red point 6 for PC	0790							
107	Gamma Red point 7 for PC	0826							
108	Gamma Red point 8 for PC	0853							
109	Gamma Red point 9 for PC	0879							
10A	Gamma Red point 10 for PC	0940							
10B	Gamma Red point 11 for PC	1023							
10C	Gamma Green point 0 for PC	0000							
10D	Gamma Green point 1 for PC	0330							
10E	Gamma Green point 2 for PC	0484							
10F	Gamma Green point 3 for PC	0620							
110	Gamma Green point 4 for PC	0700							
111	Gamma Green point 5 for PC	0750							
112	Gamma Green point 6 for PC	0790							
113	Gamma Green point 7 for PC	0826							
114	Gamma Green point 8 for PC	0853							
115	Gamma Green point 9 for PC	0879							
116	Gamma Green point 10 for PC	0940							
117	Gamma Green point 11 for PC	1023							
118	Gamma Blue point 0 for PC	0000							
119	Gamma Blue point 1 for PC	0330							
11A	Gamma Blue point 2 for PC	0484							
11B	Gamma Blue point 3 for PC	0620							
11C	Gamma Blue point 4 for PC	0700							
11D	Gamma Blue point 5 for PC	0750							
11E	Gamma Blue point 6 for PC	0790							
11F	Gamma Blue point 7 for PC	0826							
120	Gamma Blue point 8 for PC	0853							
121	Gamma Blue point 9 for PC	0879							
122	Gamma Blue point 10 for PC	0940							
123	Gamma Blue point 11 for PC	1023							
124	Gamma Red point 0 for AV	0000							
125	Gamma Red point 1 for AV	0246							
126	Gamma Red point 2 for AV	0420							
127	Gamma Red point 3 for AV	0552							
128	Gamma Red point 4 for AV	0658							
129	Gamma Red point 5 for AV	0728							
12A	Gamma Red point 6 for AV	0776							
12B	Gamma Red point 7 for AV	0810							
12C	Gamma Red point 8 for AV	0844							
12D	Gamma Red point 9 for AV	0878							
12E	Gamma Red point 10 for AV	0932							
12F	Gamma Red point 11 for AV	1023							
130	Gamma Green point 0 for AV	0000							
131	Gamma Green point 1 for AV	0246							
132	Gamma Green point 2 for AV	0420							
133	Gamma Green point 3 for AV	0552							
134	Gamma Green point 4 for AV	0652							
135	Gamma Green point 5 for AV	0728							
136	Gamma Green point 6 for AV	0776							
137	Gamma Green point 7 for AV	0810							
138	Gamma Green point 8 for AV	0844							
139	Gamma Green point 9 for AV	0878							
13A	Gamma Green point 10 for AV	0932							

Electrical Adjustments

No.	Adjustment Item	Initial Value						Range	Description
13B	Gamma Green point 11 for AV	1023							
13C	Gamma Blue point 0 for AV	0000							
13D	Gamma Blue point 1 for AV	0246							
13E	Gamma Blue point 2 for AV	0420							
13F	Gamma Blue point 3 for AV	0552							
140	Gamma Blue point 4 for AV	0658							
141	Gamma Blue point 5 for AV	0728							
142	Gamma Blue point 6 for AV	0776							
143	Gamma Blue point 7 for AV	0810							
144	Gamma Blue point 8 for AV	0844							
145	Gamma Blue point 9 for AV	0878							
146	Gamma Blue point 10 for AV	0932							
147	Gamma Blue point 11 for AV	1023							
148		--							
↓	Omitted	Omitted							
150		--							
		VPC-In		CIP Y/Cr/Cb-In		CIP R/G/B-In			
		525Line	625Line	525Line	625Line	525Line	625Line		
151	AVHSTRT	0015	0014	001E	001E	001E	001E	0000 ~ 00FF	CIP AVO start
152	AVHLEN	008A	007A	008D	007E	008D	007C	0000 ~ 00FF	CIP AVO length from start
153		--							
154		--							
155		--							
156		--							
157	SDTMOD + SDT	--							No EPROM Writing
158	Chorma accu h	--							Read only
159		--							
15A		--							
15B		--							
15C		--							
15D		--							
15E		--							
15F		--							
160	TC9090 VENH	0004							
161	VPC XLCK OFF	000B							
162	VPC SCINCL	1152 or 1296						1024 ~ 4095	
163		--							
164		--							
165		--							
166	cool_time	005A							Cooling time setting
167	test_ptn	0000							Test pattern display
168	cbal	0000							
169	cbal_reset	0000 *							*: White uniformity adjustment, Compensation data initialisation.
16A	cbal_opt	000F							timming 0
16B	cbal_opt	000C							timming 1
16C	cbal_opt	0044							timming 2
16D	cbal_opt	0011							timming 3
16E	cbal_opt	0003							timming 4
16F	cbal_opt	0001							timming 5
170	cbal_opt	003F							timming 6
171	cbal_opt	0040							timming 7
172	cbal_opt	00FA *							timming 8 *: White uniformity adjustment, Compensation mode On/Off
173	cbal_opt	0020							timming 9
174	cbal_edge	0020							Left Red
175	cbal_edge	0020							Left Green
176	cbal_edge	0020							Left Blue
177	cbal_edge	0020							Right Red
178	cbal_edge	0020							Right Green
179	cbal_edge	0020							Right Blue
17A	DACR	00B0 *							Red *: R-Offset adjustment-[CG]
17B	DACG	00B0 *							Green *: G-Offset adjustment-[CG]
17C	DACB	00B0 *							Blue *: B-Offset adjustment-[CG]
17D	dqma_tg_data_select	0000						0 or 1	

● Circuit Adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety.

[Adjustment Condition]

- Input signal
 - Video signal ----- 1.0Vp-p/75Ω terminated, 16 steps gray scale or color bar pattern
 - Computer signal ----- 0.7Vp-p/75Ω terminated, 16 steps gray scale pattern
- Picture control mode ----- "NORMAL" mode unless otherwise noted.

Note: Please refer to "Service Adjustment" for entering to the service mode and adjusting the service data.

OUTPUT VOLTAGE ADJUSTMENT

After replacing the Power Board, readjust the Output voltage adjustment as follows.

1. Connect a digital voltmeter to pins 1 (+) and 3 (-) of K6D.
2. Adjust the voltage by using VR671 as following.

AC Input	Reading
230V	370V ±2V
120V	320V ±2V

Caution:

Be sure to connect the lamp when taking this adjustment.

+6V ADJUSTMENT

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Connect a digital voltmeter to pin 2 (+) of K6E and chassis ground (-).
4. Adjust voltage to 6.2 ±0.1V by using VR662.

+15V ADJUSTMENT

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Connect a digital voltmeter to pin 5 (+) of K6E and chassis ground (-).
4. Adjust voltage to 15.6 ±0.1V by using VR661.

+12V ADJUSTMENT

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Connect a digital voltmeter to pin 5 (+) of K6J and chassis ground (-).
4. Adjust voltage to 12.0 ±0.1V by using VR681.

DVCO ADJUSTMENT

1. Receive the NTSC color bar video signal.
2. Set to **VIDEO** mode.
3. Enter to the service mode, select data no. "030" and change data value upward or downward. Confirm that the data value automatically change and stay a certain value.

DC ADJUSTMENT

Presetting

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[R-DC ADJUSTMENT]

3. Connect a digital voltmeter to test point "TP2511" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "000" and change data value to adjust voltage to 7.0 ±0.1V.

[G-DC ADJUSTMENT]

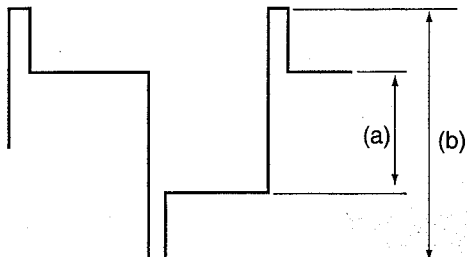
5. Connect a digital voltmeter to test point "TP2512" (+) and chassis ground (-).
6. Enter to the service mode, select data no. "001" and change data value to adjust voltage to 7.0 ±0.1V.

[B-DC ADJUSTMENT]

7. Connect a digital voltmeter to test point "TP2513" (+) and chassis ground (-).
8. Enter to the service mode, select data no. "002" and change data value to adjust voltage to 7.0 ±0.1V.

PSIG ADJUSTMENT

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.
3. Connect an oscilloscope to test point "TP581" (+) and chassis ground (-).
4. Enter to the service mode, Select data no. "004" and change data value to adjust "a" to be $3.8 \pm 0.1V_{p-p}$.
5. Select data no. "003" and change data value to adjust "b" to be $10.0 \pm 0.1V_{p-p}$.



PEDESTAL ADJUSTMENT-[CG]

Presetting

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.

[R-PEDESTAL ADJUSTMENT-1]

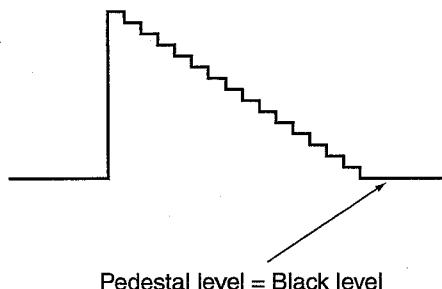
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "005" and change data value to adjust the pedestal level and black level to be same level.

[G-PEDESTAL ADJUSTMENT-1]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select data no. "007" and change data value to adjust the pedestal level and black level to be same level.

[B-PEDESTAL ADJUSTMENT-1]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select data no. "009" and change data value to adjust the pedestal level and black level to be same level.



GAIN ADJUSTMENT-[CG]

Presetting

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.

[R-GAIN ADJUSTMENT-1]

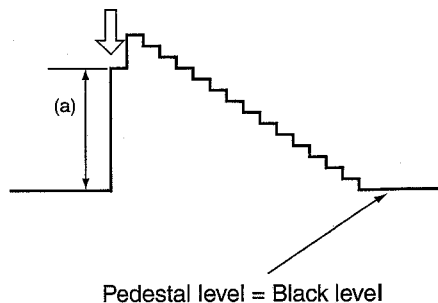
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "006" and change data value to adjust "a" to be minimum amplitude.

[G-GAIN ADJUSTMENT-1]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select data no. "008" and change data value to adjust "a" to be minimum amplitude.

[B-GAIN ADJUSTMENT-1]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select data no. "00A" and change data value to adjust "a" to be minimum amplitude.



PEDESTAL ADJUSTMENT-[AV]

Presetting

1. Receive the 16-step grey scale video signal.
2. Set to **VIDEO** mode.

[R-PEDESTAL ADJUSTMENT-2]

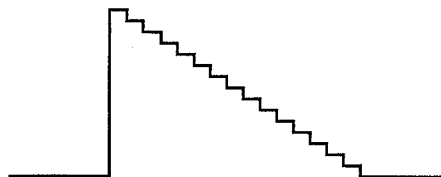
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select Data no. "00B" and change data value to adjust the pedestal level and black level to be same level.

[G-PEDESTAL ADJUSTMENT-2]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select Data no. "00D" and change data value to adjust the pedestal level and black level to be same level.

[B-PEDESTAL ADJUSTMENT-2]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select Data no. "00F" and change data value to adjust the pedestal level and black level to be same level.



Pedestal level = Black level

GAIN ADJUSTMENT-[AV]

Presetting

1. Receive the 16-step grey scale video signal.
2. Set to **VIDEO** mode.

[R-GAIN ADJUSTMENT-2]

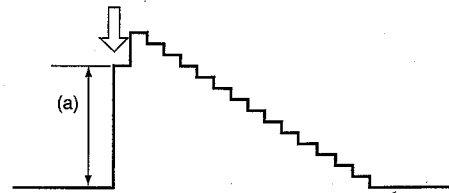
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "00C" and change data value to adjust "a" to be minimum amplitude.

[G-GAIN ADJUSTMENT-2]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select data no. "00E" and change data value to adjust "a" to be minimum amplitude.

[B-GAIN ADJUSTMENT-2]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select data no. "010" and change data value to adjust "a" to be minimum amplitude.



Pedestal level = Black level

VIDEO ADJUSTMENT-[CG]

Presetting

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[G-VIDEO ADJUSTMENT-1]

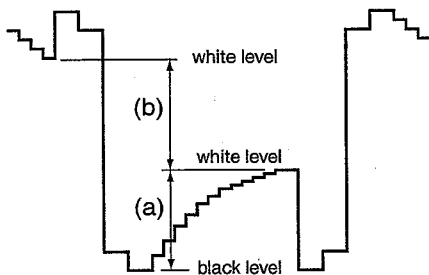
3. Connect an oscilloscope to test point "TP2512" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "012" and set data value to "3FF".
5. Select data no. "011" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
6. Select data no. "012" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[R-VIDEO ADJUSTMENT-1]

7. Connect an oscilloscope to test point "TP2511" (+) and chassis ground (-).
8. Enter to the service mode, select data no. "014" and set data value to "3FF".
9. Select data no. "013" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
10. Select data no. "014" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[B-VIDEO ADJUSTMENT-1]

11. Connect an oscilloscope to test point "TP2513" (+) and chassis ground (-).
12. Enter to the service mode, select data no. "016" and set data value to "3FF".
13. Select Data no. "015" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
14. Select Data no. "016" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.



VIDEO ADJUSTMENT-[AV]

Presetting

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.

[G-VIDEO ADJUSTMENT-2]

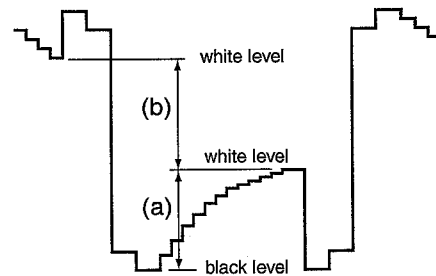
3. Connect an oscilloscope to test point "TP2512" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "018" and set data value to "3FF".
5. Select data no. "017" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
6. Select data no. "018" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[R-VIDEO ADJUSTMENT-2]

7. Connect an oscilloscope to test point "TP2511" (+) and chassis ground (-).
8. Enter to the service mode, select data no. "01A" and set data value to "3FF".
9. Select data no. "019" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
10. Select data no. "01A" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[B-VIDEO ADJUSTMENT-2]

11. Connect an oscilloscope to test point "TP2513" (+) and chassis ground (-).
12. Enter to the service mode, select data no. "01C" and set data value to "3FF".
13. Select Data no. "01B" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
14. Select Data no. "01C" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.



COMMON CENTER ADJUSTMENT

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[R-COMMON CENTER ADJUSTMENT]

3. Cover the G and B panel to cut the light transit.
4. Select data no. "020" and change data value to obtain the minimum flicker on the picture.

[G-COMMON CENTER ADJUSTMENT]

5. Cover the R and B panel to cut the light transit.
6. Select data no. "021" and change data value to obtain the minimum flicker on the picture.

[B-COMMON CENTER ADJUSTMENT]

7. Cover the G and R panel to cut the light transit.
8. Select data no. "022" and change data value to obtain the minimum flicker on the picture.

OFFSET ADJUSTMENT-[AV]

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.

[R-OFFSET ADJUSTMENT]

3. Cover the G and B panel to cut the light transit.
4. Select data no. "023" and change data value to disappear the vertical stripes on the screen.

[G-OFFSET ADJUSTMENT]

5. Cover the R and B panel to cut the light transit.
6. Select data no. "024" and change data value to disappear the vertical stripes on the screen.

[B-OFFSET ADJUSTMENT]

7. Cover the G and R panel to cut the light transit.
8. Select data no. "025" and change data value to disappear the vertical stripes on the screen.

Project all lights and conform that the no vertical stripes are observed on the screen.

OFFSET ADJUSTMENT-[CG]

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[R-OFFSET ADJUSTMENT]

3. Cover the G and B panel to cut the light transit.
4. Select data no. "17A" and change data value to disappear the vertical stripes on the screen.

[G-OFFSET ADJUSTMENT]

5. Cover the R and B panel to cut the light transit.
6. Select data no. "17B" and change data value to disappear the vertical stripes on the screen.

[B-OFFSET ADJUSTMENT]

7. Cover the G and R panel to cut the light transit.
8. Select data no. "17C" and change data value to disappear the vertical stripes on the screen.

Project all lights and conform that the no vertical stripes are observed on the screen.

WHITE BALANCE ADJUSTMENT-[CG]

[CG WHITE BALANCE]

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.
3. Select data no. "014" (Red) or "016" (Blue), and change data values respectively to make a proper white balance.

Confirm the white balance in AV and COMPUTER mode.

WHITE BALANCE ADJUSTMENT-[AV]

[AV WHITE BALANCE]

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Select data no. "01A" (Red) or "01C" (Blue), and change data values respectively to make a proper white balance.

Confirm the white balance in AV and COMPUTER mode.

WHITE UNIFORMITY ADJUSTMENT

This adjustment should be carried out when existing unbalanced white uniformity on the screen or after replacing the LCD panels. (When replacing the main board, the memory IC, IC806 on the main board should be replaced with the one on previous board, so that the white uniformity adjustment may not be required because the data of white uniformity adjustment are stored in this memory IC)

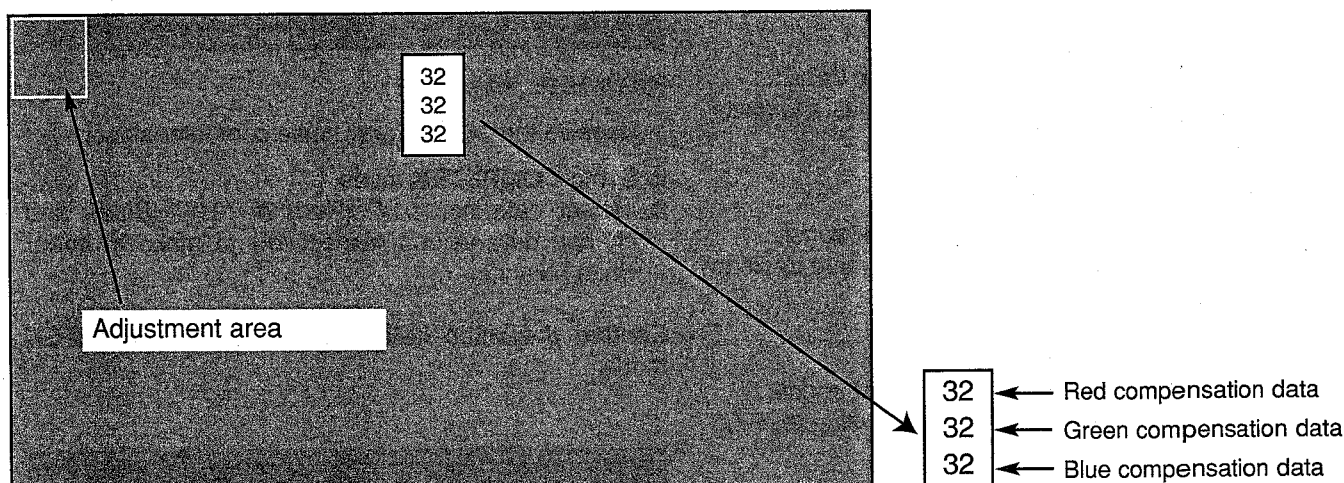
[Before adjustment]

- Set to normal display mode.
- Switch the white uniformity compensation mode on.
Enter to the service mode, select data no. "172" and change data value from "007A" to "00FA" (mode On).
- Initialized the all of compensation data. **(This is required when the LCD panel is replaced more than 2 panels.)**
 - 1) Enter to the service mode, select data no. "169" and change data value to "0009".
 - 2) Press the **VOLUME** ⊕ button once, the data value will change to "0000". The initialization will be done. The all of compensation data for RGB are to be center value "32".

[How to adjust white uniformity]

- Mode : Video or Computer mode
- Input Signal : not required
- Picture control : Normal level

- [1] Enter to the service mode.
- [2] Select data no. "168" and press **VOLUME** ⊕ button. The following adjustment screen will appear.



[3] Adjust the white uniformity

- 1) Move the adjustment area to the position you want to adjust by pressing the pointers (⊙, ⊙, ⊙, ⊙) button on the projector.
- 2) Adjust the white balance in the adjustment area (The adjustment range is 0 to 64).
 - To change R (Red) white balance, press the **ZOOM** (⊙, ⊙) button on the projector.
 - To change G (Green) white balance, press the **FOCUS** (⊙, ⊙) button on the projector.
 - To change B (Blue) white balance, press the **LENS SHIFT** (⊙, ⊙) button on the projector.

Repeat step 1 to 2 for remaining area.

- [4] Press the **MENU** button to exit the white uniformity adjustment mode.
- [5] Press the **POWER-ON/OFF** button to return to the normal mode.

■ Optical Adjustments

FOCUS ADJUSTMENT

When you replace all of LCD panels such as disassembly cleaning, etc., first adjust the G-LCD panel as the standard reference, after that, adjust the R-LCD panel and B-LCD panel focus adjustments.

When you replaced one of the LCD panels, adjust only the replaced LCD panel focus to put the un-replaced LCD panels focus.

[Before adjustment]

- Input a grid pattern signal.
- Adjustment requires a 2.0mm hex driver and a slot screwdriver. Remove cabinet cover following to "Mechanical Disassemblies".

G-FOCUS ADJUSTMENT

1. Insert paper etc. in Red and Blue panel to block the red and blue light so that only green light is projected.
2. Press the **ZOOM** Ⓢ button to the "Tele" position (to reduce image size) and press the **FOCUS** Ⓢ or Ⓢ button to the center of screen is in sharp focus.
3. Press the **ZOOM** Ⓢ button to "Wide" position (to increase image size).
4. Loosen the 4 screws "A" with the 2.0mm hex driver (**Fig.1a**).
5. Insert the slot type screwdriver in the slots ①, ②, ③ and ④ (**Fig.1a**) and gently turn the screwdriver until the each corner of screen is in sharp focus. The relation of adjustment points and screen corners are indicated with ①, ②, ③ and ④ shown in **Fig.1a** and **Fig.2**.
6. Press the **ZOOM** Ⓢ button to the "Tele" position (to reduce image size) and check to see if sharp focus is retrained. If in sharp focus, adjustment is completed. If not, repeat steps 2 to 6.
7. Tighten the 4 screws "A" and securely attach the Green panel unit.

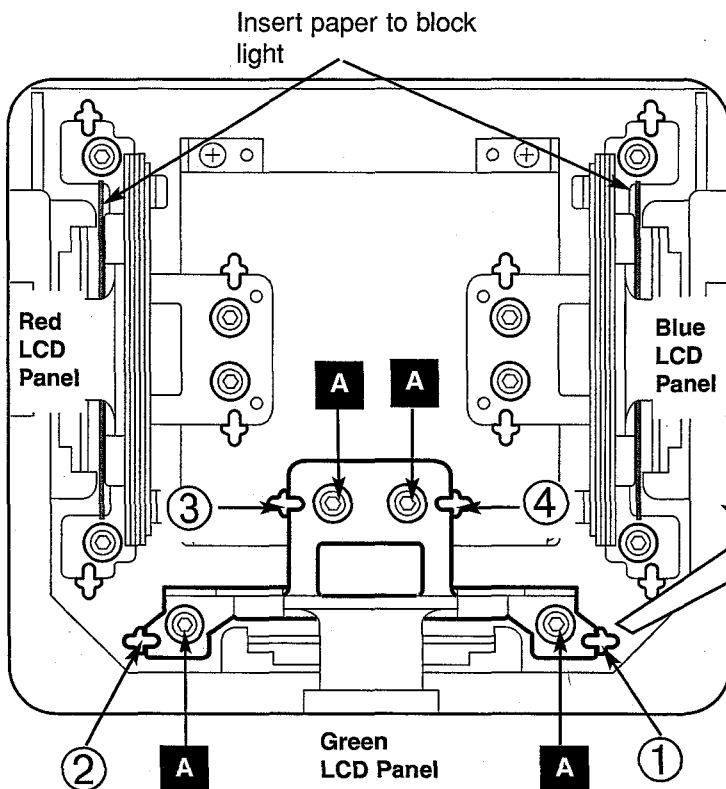



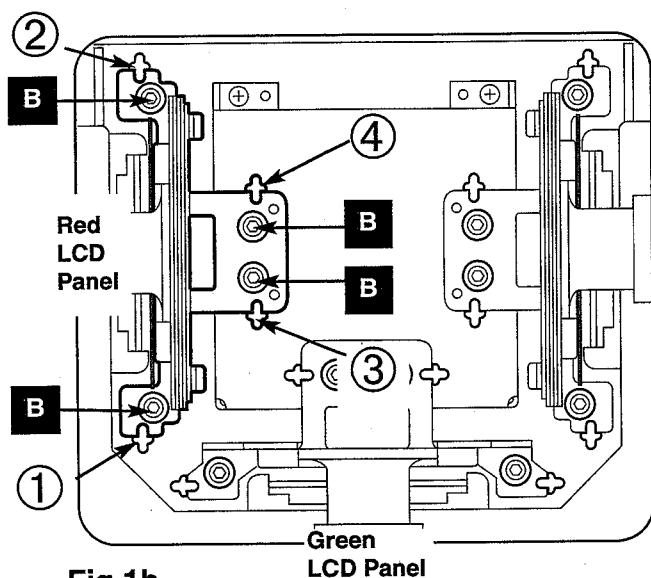





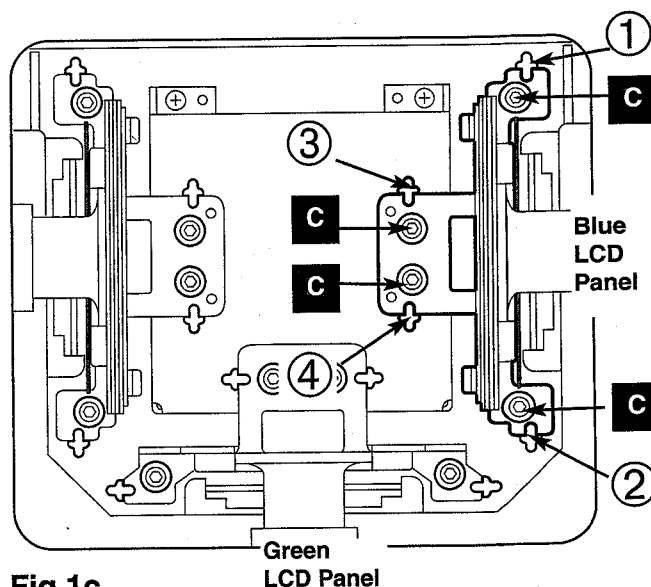
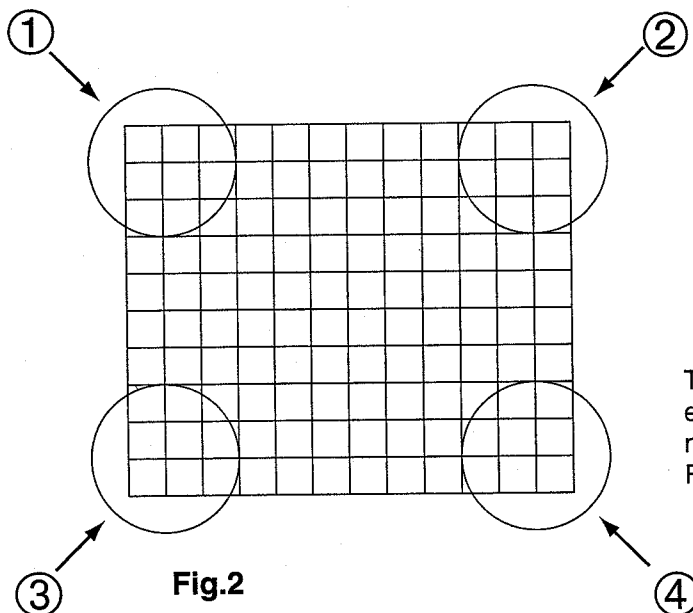
Fig.1a

R-FOCUS ADJUSTMENT

1. Insert paper etc. in Red and Blue panel to block the red and blue light so that only green light is projected.
2. Press the **ZOOM**  button to "Wide" position (to increase image size) and press the **FOCUS**  or  button to make a picture in sharp focus.
3. Insert paper etc. in Blue and Green panel to block the blue and green light so that only red light is projected.
4. Loosen the 4 screws "B" with the 2.0mm hex driver, see **Fig.1b**.
5. Insert the slot type screwdriver in the slots ①, ②, ③ and ④ (**Fig.1b**) and gently turn the screwdriver until the each corner of screen is in sharp focus. The relation of adjustment points and screen corners are indicated with ①, ②, ③ and ④ shown in **Fig.1b** and **Fig.2**.
6. Tighten the 4 screws "B" and securely attach the Red panel unit.

**Fig.1b****B-FOCUS ADJUSTMENT**

1. Insert paper etc. in Red and Blue panel to block the red and blue light so that only green light is projected.
2. Press the **ZOOM**  button to "Wide" position (to increase image size) and press the **FOCUS**  or  button to make a picture in sharp focus.
3. Insert paper etc. in Red and Green panel to block the red and green light so that only blue light is projected.
4. Loosen the 4 screws "C" with the 2.0mm hex driver, see **Fig.1c**.
5. Insert the slot type screwdriver in the slots ①, ②, ③ and ④ (**Fig.1c**) and gently turn the screwdriver until the each corner of screen is in sharp focus. The relation of adjustment points and screen corners are indicated with ①, ②, ③ and ④ shown in **Fig.1c** and **Fig.2**.
6. Tighten the 4 screws "C" and securely attach the Blue panel unit.

**Fig.1c****Fig.2**

The numbers indicate the focus effective part when moving the numbered adjusting slots on Fig.1.

CONVERGENCE ADJUSTMENT

For convergence adjustment, use Green as the reference standard. Align Red and Blue with Green by adjusting the position and angle of the Red and Blue LCD panels. Screws "A", "B", "C" (Fig.3) are for convergence adjustment.

[Before adjustment]

- Make sure each Red, Green and Blue LCD panel unit has been correctly installed, and that all focus adjustments have been completed before performing convergence adjustments.
- Input a grid pattern signal.
- Adjustment requires a 2.5mm hex wrench and a slot screwdriver. Remove cabinet cover following to "Mechanical Disassemblies".

RED/BLUE PANEL CONVERGENCE

1. Insert paper etc. in Red or Blue panel to block the red or blue light so that either green and red or green and blue lights are projected. (For example, when adjust Red panel convergence, project green and red lights, and when adjust Blue panel, project green and blue lights.)
2. Loosen 2 screws "D" (Fig.3) using the 2.5mm wrench.
3. Turning the screw "A", align so that the Red (or Blue) horizontal lines are parallel to the Green horizontal lines (Fig.4).
4. Turning screw "B", align the Red (or Blue) vertical lines onto the Green vertical lines (Fig.5).
5. Turning screw "C", align the Red (or Blue) horizontal lines onto the Green horizontal lines (Fig.5).
6. By repeating steps 3 to 5, align the Red (or Blue) grid lines onto the green lines.
7. Tighten the 2 screws "D" to fix the Red (or Blue) panel unit.

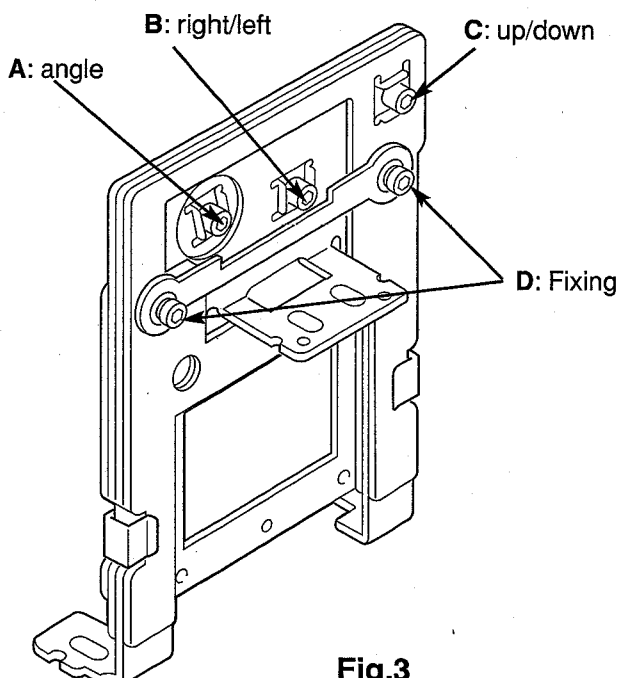


Fig.3

[Image Movement and Screw Turning]

1. Adjustment screw "A" turns the image (Fig.5).
2. Adjustment screw "B" moves the image right and left (Fig.6).
3. Adjustment screw "C" moves the image up and down (Fig.6).

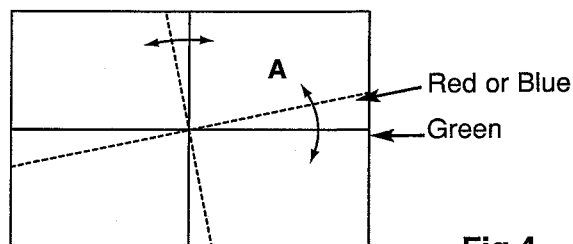


Fig.4

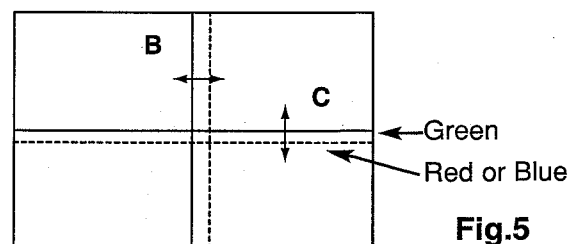


Fig.5

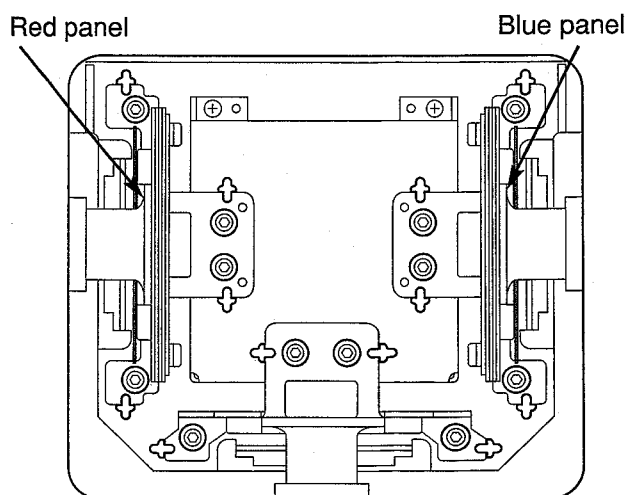


Fig.6

CONTRAST ADJUSTMENT

[Before Adjustment]

- Adjustment requires a 2.0mm hex driver.
- Remove cabinet cover following to step1 of "Mechanical Disassemblies".
- Input a 100% of black raster signal.

[R/G/B-CONTRAST ADJUSTMENT]

1. Insert paper etc. in front of the LCD panels to block unnecessary lights.
When adjusting the R-Contrast, project red light only.
When adjusting the G-Contrast, project green light only.
When adjusting the B-Contrast, project blue light only.
2. Loosen a screw "A" (Fig.7/8) on the polarized glass mounting base which you intend to adjust.
3. Turn the polarized glass mounting base as shown in Fig.7 to obtain the darkest brightness on the screen.
4. Tighten the screw "A" to fix the polarized glass mounting base.

Repeat steps 1 to 4 for remaining polarized glasses.

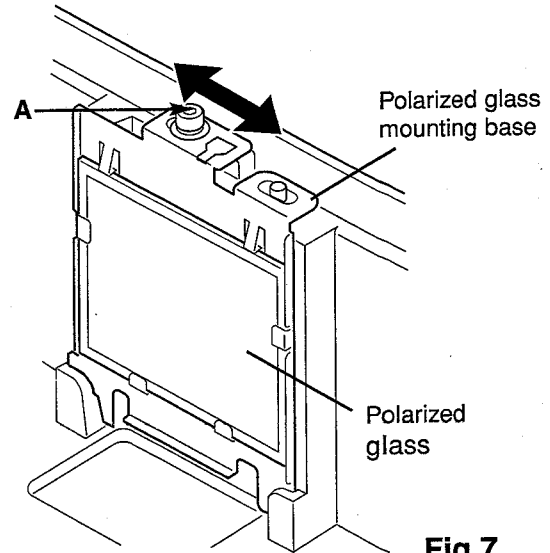


Fig.7

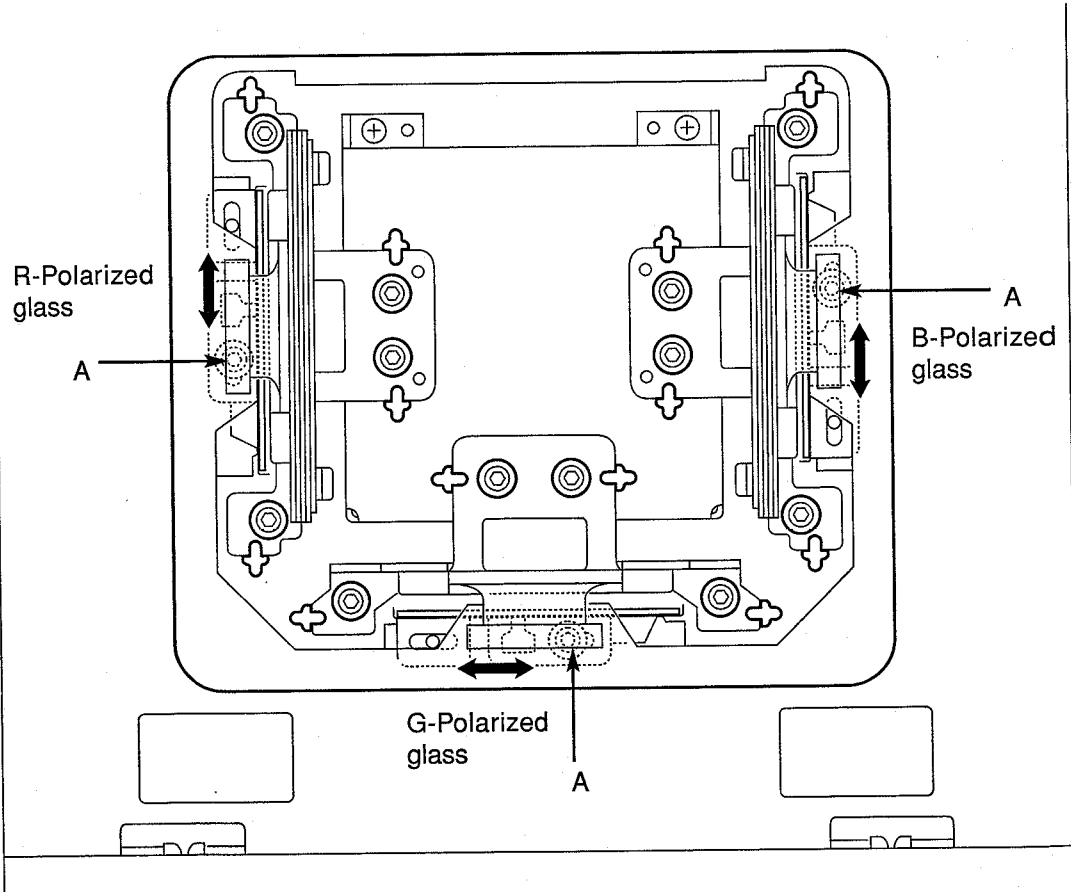


Fig.8

INTEGRATOR LENS ADJUSTMENT

[Before Adjustment]

- Adjustment requires a 2.0mm hex driver and a slot screwdriver.
- Remove cabinet top and cabinet front following to "Cabinet Disassemblies". The lamp cover must be re-mounted otherwise the projector can not be turned on.
- Disconnect the connectors FPC cable of LCD panels on the main unit.

[ADJUSTMENT]

1. Turn on lamp by a state of without FPC cable of LCD panels.
2. Set the size of a screen in about 40 inches.
3. Insert paper etc. in Red and Blue panel to block the red and blue light so that green light is projected and make a fine focus.
4. Insert paper etc. in Red panel to block the red light so that blue and green lights are projected.
5. Adjust the adjustment base of integrator lens ass'y to make color uniformity in cyan.
 - 1) If the un-uniform color appears on the left or right of the screen as shown in **Fig.10-1**, loosen 2 screws "B" with the hex driver (**Fig.9**) and adjust a slot "A" to make color uniformity in cyan by using a slot screwdriver.
 - 2) If the un-uniform color appears on the top or bottom of the screen as shown in **Fig.10-2**, loosen 2 screws "C" with hex driver (**Fig.9**) and adjust the 2 screws "D" to make color uniformity in cyan.
6. Tighten the 4 screws "B" and "C" to fix the integrator lens unit.

Note:

The relay lens adjustment must be carried out after completing this adjustment.

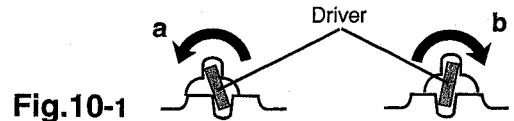
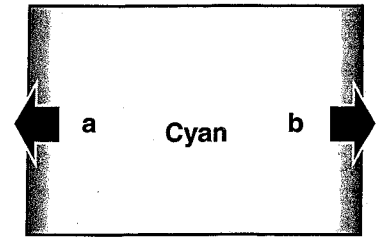


Fig.10-1
Moving of slot A

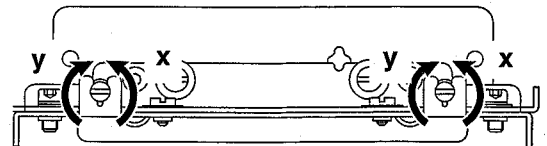
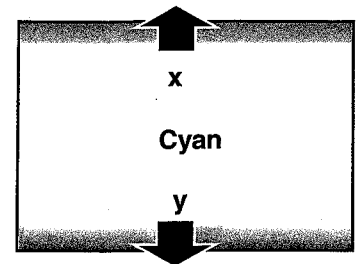


Fig.10-2
Moving of screws D

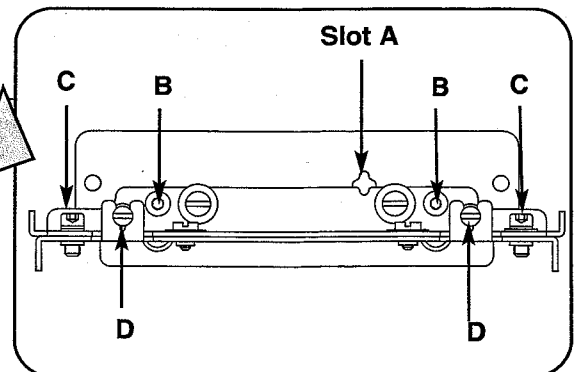
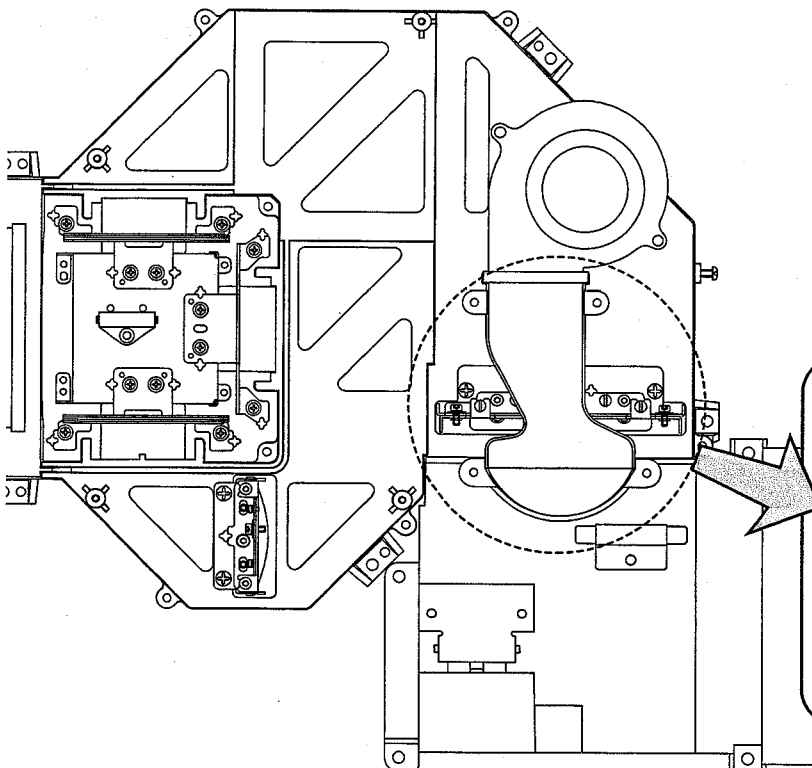


Fig.9

RELAY LENS ADJUSTMENT

[Before Adjustment]

- Adjustment requires a 2.0mm hex driver and a slot screwdriver.
- Remove cabinet top, cabinet front and Main Unit following to "Cabinet Disassemblies". The Lamp cover must be re-mounted otherwise the projector can not be turned on.
- Disconnect the connectors K1A, K8C, K2R, K2G, K2B and FPC cable of LCD panels on the main unit.
- Remove temperature sensor (SW904) on the prism ass'y.

Note: Do not disconnect connector "K8E" (Temperature sensor) otherwise the projector can not be turned on.

[ADJUSTMENT]

1. Turn on lamp by a state of without FPC cable of LCD panels.
2. Set the size of a screen in about 40 inches.
3. Insert paper etc. in Red and Blue panel to block the red and blue light so that green light is projected and make a fine focus.
4. Insert paper etc. in Blue panel to block the blue light so that red and green lights are projected.
5. Adjust the adjustment base of relay lens ass'y to make color uniformity in white.
 - 1) If the un-uniform color appears on the left or right of the screen as shown in **Fig.13-1**, loosen a screw "C" with the hex driver (**Fig.12**) and adjust the slot "A" to make color uniformity in yellow by using a slot screwdriver.
 - 2) If the un-uniform color appears on the top or bottom of the screen as shown in **Fig.13-2**, loosen a screw "B" with the hex driver (**Fig.12**) and adjust the 2 screws "D" to make color uniformity in yellow.
6. Tighten the 2 screw "B" and "C" to fix the relay lens unit.

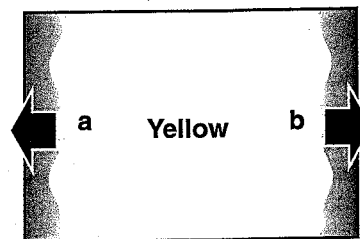


Fig.13-1

Moving of slot A

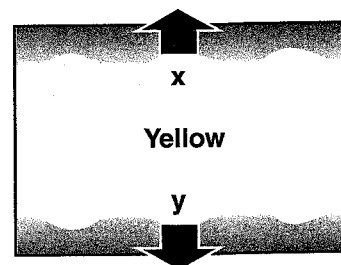
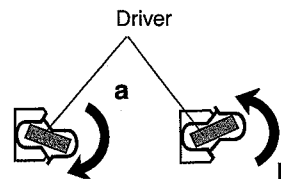


Fig.13-2

Moving of screw D

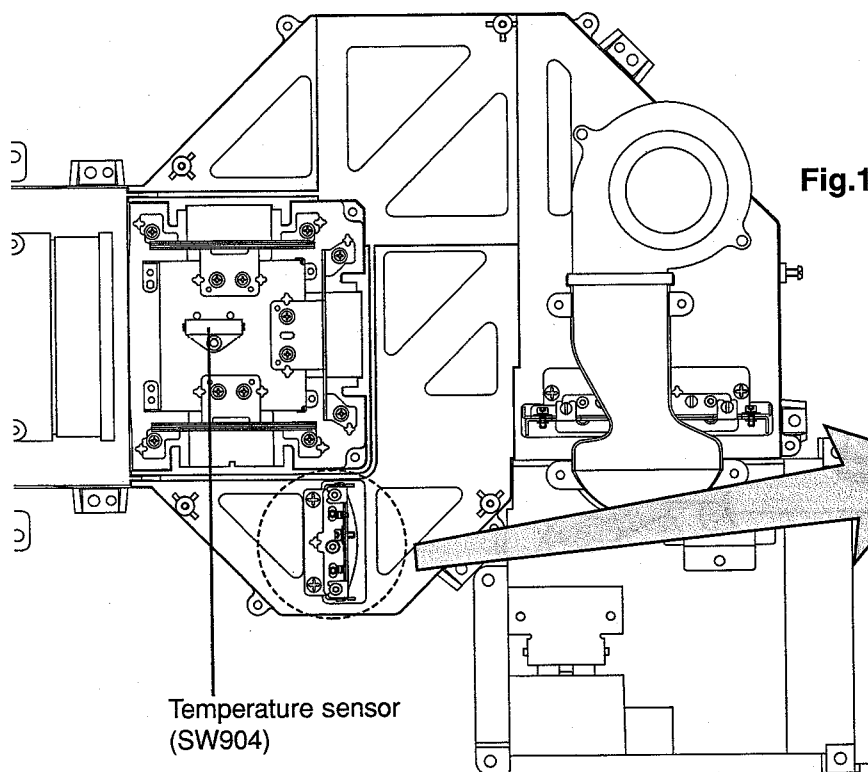
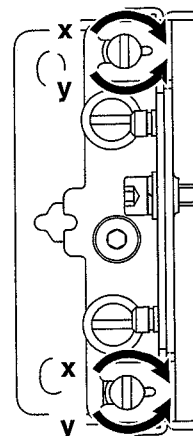
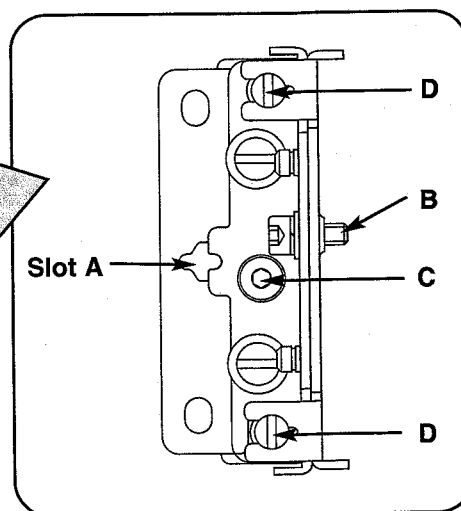


Fig.12



Temperature sensor
(SW904)

■ Troubleshooting

NO POWER

Refer to next page

PERIPHERY OF CHASSIS

1. Is fuse (F901) blown?
Fuse may be opened when either the LAMP POWER indicator or the READY indicator(with the front indicators) isn't illuminated. Check the fuse.
● For continued safety, replace with a fuse of the same type.
TYPE T8AH 250V FUSE. (LITTLE FUSE INC. TYPE 215008)
2. Is projection of lamp cover inside broken or not fitting?
Check the INTER LOCK switch(SW902) and lamp cover.
SW902 OPEN : abnormal
3. Is thermal switch(SW903) operating?
If temperatures periphery of lamp is reached to 100°C, the thermal switch will be turned off automatically.
SW903 OPEN : abnormal
4. Is thermal switch(SW904) operating? (with the TEMPERATURE WARNING INDICATOR flashing)?
If temperatures periphery of LCD panel is reached to 50°C, the thermal switch will be turned off automatically.
SW904 OPEN : abnormal

POWER, SUB POWER BOARD

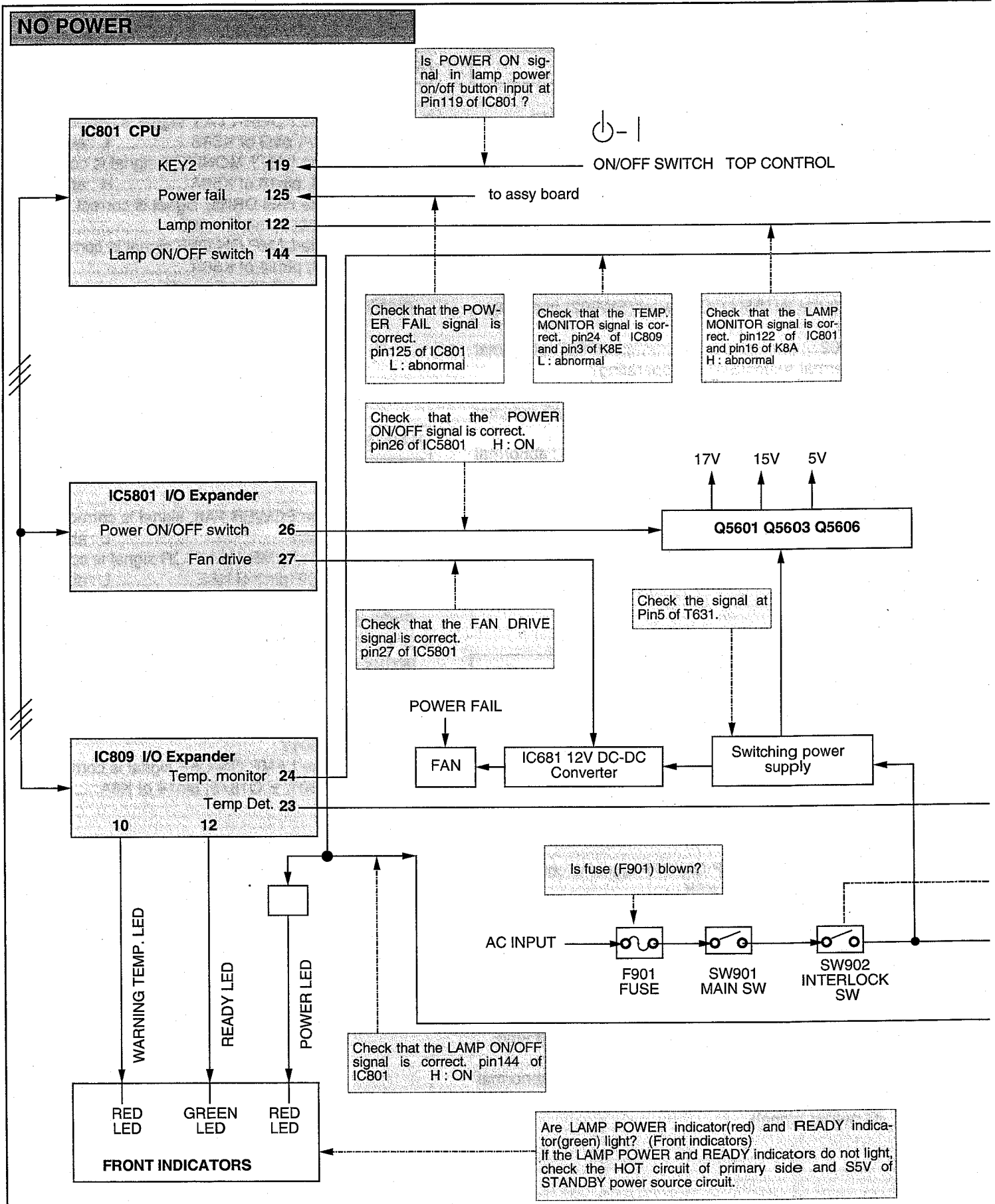
1. Are the LAMP POWER indicator(red) and READY indicator(green) light? (Front indicators)
If the LAMP POWER and READY indicators do not light, check the HOT circuit of primary side and S5V of STANDBY power source circuits.
2. Check the AC 100/200 switching circuit is correct.
3. Check that the FAN DRIVE signal is correct.
Pin4 of K6K L : ON
4. Check that the LAMP ON/OFF signal is correct.
Pin8 of K6E, pin5 of K6K H : ON
5. Check that the POWER FAIL signal is correct.
Pin3 of K6K L : abnormal
6. Check that the +6V voltage is correct.
..... Pin7, 8 of K6J
7. Is thermal switch(TSW601) operating?
If temperatures periphery of P.F.C. circuit is reached to 85°C, the thermal switch will be turned off automatically.
TSW601 SHORT : abnormal
8. Check the signal at pin5 of T631. (Switching power IC output signal)

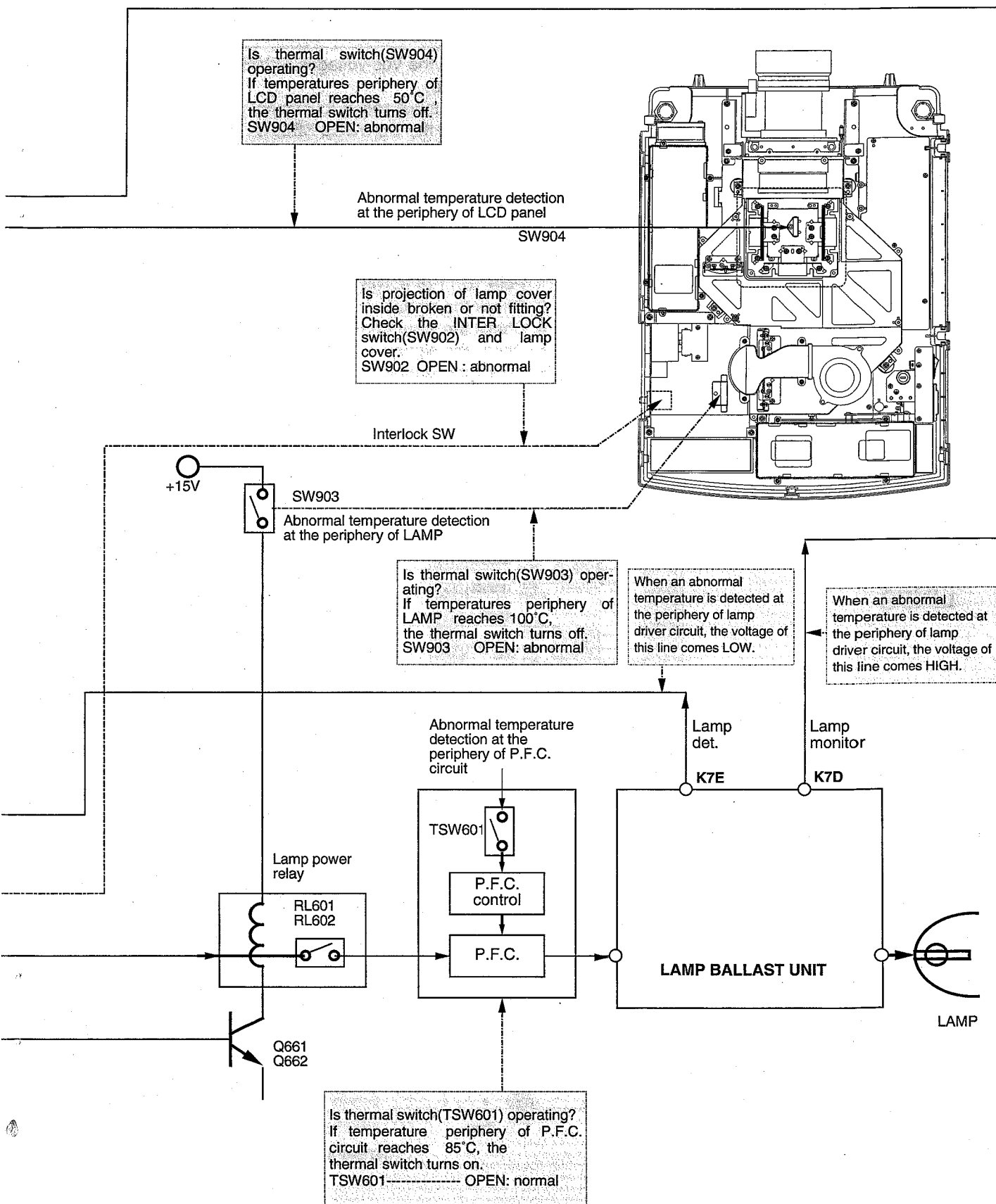
MOTHER BOARD

1. Check that the Vcc-voltage(IC5801 +S5V) is correct.
2. Check that the POWER FAIL signal is correct.
Pin17 of K58A, pin3 of K56B L : abnormal
3. Check that the LAMP MONITOR signal is correct.
Pin2 of K56C, pin16 of K58A H : abnormal
4. Check that the FAN DRIVE signal is correct.
Pin27 of IC5801, pin4 of K56B H : ON
5. Check that the LAMP ON/OFF signal is correct.
Pin5 of K56B, pin14 of K58A H : ON
6. Check that the POWER ON/OFF signal is correct.
Pin26 of IC5801 H : ON

MAIN BOARD

1. Check that the Vcc-voltage(IC801/IC809 +S5V) is correct.
2. Check that the POWER FAIL signal is correct.
Pin125 of IC801 L : abnormal
3. Check that the TEMP. MONITOR signal is correct.
Pin24 of IC809, pin3 of K8E L : abnormal
4. Check that the TEMP. DET. signal is correct.
Pin23 of IC809, pin1 of K8M L : abnormal
5. Check that the LAMP MONITOR signal is correct.
pin122 of IC801, pin16 of K8A H : abnormal
6. Is POWER ON signal in lamp power on/off button input at pin119 of IC801 ?
7. Is POWER ON signal in remote-control unit input at pin143 of IC801?
8. Check that the LAMP ON/OFF signal is correct.
Pin144 of IC801, E Q1875, pin14 of K8A H : ON





1. Check that the Vcc-voltages(+9V) are correct.
(IC3001, IC3021, etc)
2. Check that the AV1/AV2 SELECT signals are correct.
3. Check the input and output signals at IC3001.
Check the input and output signals at IC3021.

1. Check that the Vcc-voltages(+9V and +5V) are supplied correctly to ICs (IC4000,4001, IC6100, etc).
2. Check the signals at TP4000, TP4001, TP4002, TP4003, TP4010.

1. Check that the Vcc-voltages(S5V/S-5V) are correct.
(IC2131,etc)
2. Check the input and output signal at IC2131.
3. Check that the CG1/CG2 SELECT signal is correct.
Pin16 of IC2131 CG1 : H / CG2 : L

1. Check the Vcc-voltages at all IC.
2. Check that the AV/CG SELECT signal is correct.
Pin9,10,11 of IC105
3. Check the signals at TP161, 181, 171.
4. Check the input and output signals at IC105.
5. Check the signals at TP201, 202, 203.
6. Check the signals at TP4201, 4221, 4241, 5201, 5221, 5241.
7. Check the signals at TP501, 1501, 531, 1531, 561, 1561.
8. Check the signals at TP2501, 2511, 2502, 2512, 2503, 2513.



NO SOUND

AV JACK BOARD

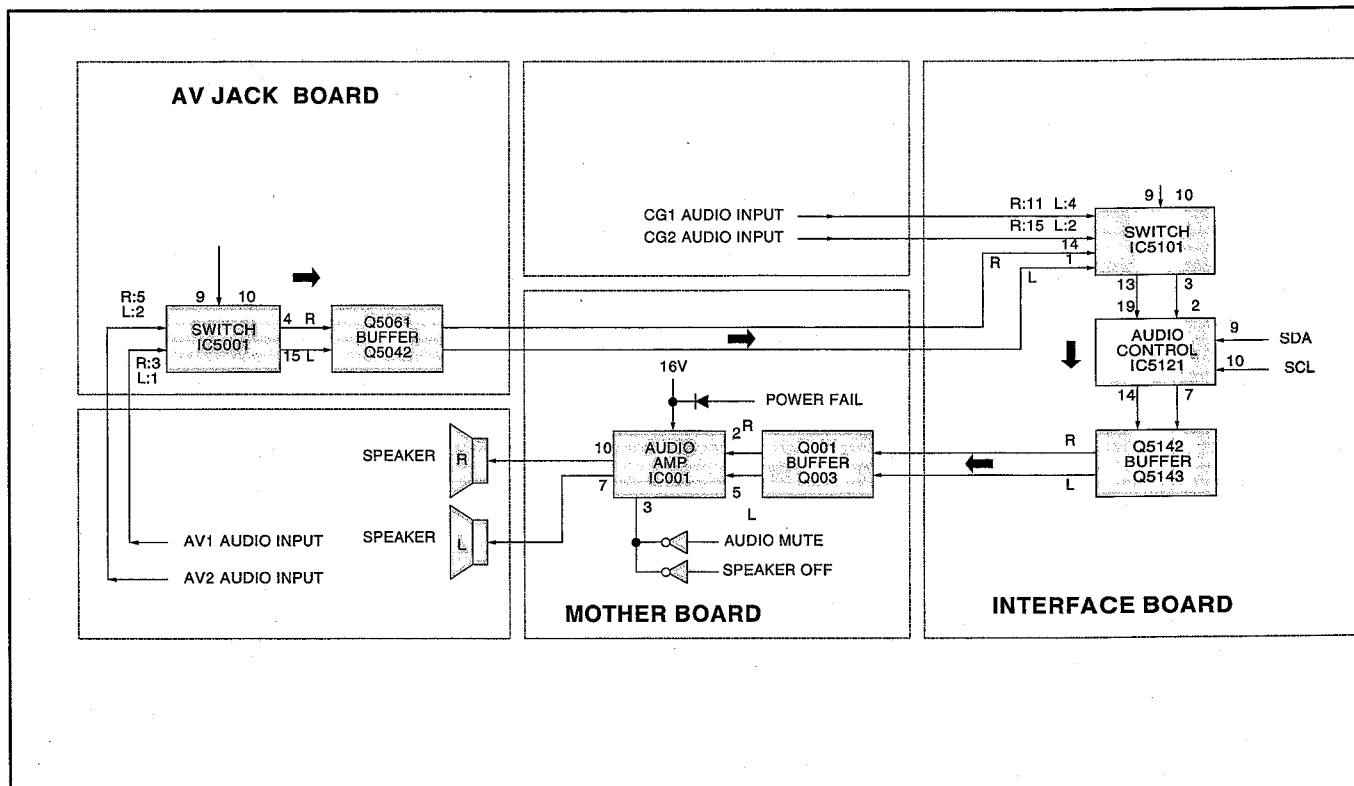
1. Check that the Vcc-voltage(Pin16 of IC5001 +9V) is correct.
2. Check that the AV1/AV2 SELECT signal is correct.
Pin9, 10 of IC5001 AV1 : H
AV2 : L
3. Check the input and output signals at IC5001.
Check the input and output signals at Q5061, Q5042.

MOTHER BOARD

1. Check that the Vcc-voltage(+9V,+16V) is correct.
2. Check the input and output signals at Q001.Q003.
3. Check that the POWER FAIL signal is correct.
4. Check that the AUDIO MUTE signal is correct.
5. Check that the SPEAKER-OFF signal is correct.
6. Check the input and output signals at IC001.

INTERFACE BOARD

1. Check that the Vcc-voltage(+9V) is correct.
2. Check that the AV/CG1/CG2 SELECT signal is correct.
Pin9, 10 of IC5101 Pin9 : Pin10
AV L : L
AV H : L
CG2 L : H
CG1 H : H
3. Check the input and output signals at IC5101.
4. Check the input and output signals at IC5121.
5. Check the signal at Pin9 of IC5121. (SDA)
Check the signal at Pin10 of IC5121. (SCL)
6. Check the input and output signals at Q5142.Q5143.



■ CPU (IC801) Port Functions

Pin No.	Function Name	Function	IN/OUT
1	PCTL	Parallel I/F Control signal for LCD Driver	OUT
2	PS2 EN	Enable for Progressive Scan2	OUT
3	SCL2	IIC bus 2 Clock	IN/OUT
4	SDA2	IIC bus 2 Data	IN/OUT
5	POWER SW	"L" : Power Off, "H": Power On	IN/OUT
6	VSS	GND	
7	CENT DET	Lens location detection (Center)	IN
8	ADDRESS1	Address bus1	OUT
9	ADDRESS2	Address bus2	OUT
10	ADDRESS3	Address bus3	OUT
11	ADDRESS4	Address bus4	OUT
12	VCC	5V	
13	ADDRESS5	Address bus5	OUT
14	VSS	GND	
15	ADDRESS6	Address bus6	OUT
16	ADDRESS7	Address bus7	OUT
17	ADDRESS8	Address bus8	OUT
18	ADDRESS9	Address bus9	OUT
19	ADDRESS10	Address bus10	OUT
20	ADDRESS11	Address bus11	OUT
21	ADDRESS12	Address bus12	OUT
22	ADDRESS13	Address bus13	OUT
23	ADDRESS14	Address bus14	OUT
24	ADDRESS15	Address bus15	OUT
25	ADDRESS16	Address bus16	OUT
26	VCC	5V	
27	ADDRESS17	Address bus17	OUT
28	VSS	GND	
29	SCL1	IIC bus 1 Clock	IN/OUT
30	SDA1	IIC bus 1 Data	IN/OUT
31	RAS	RAS Signal for DRAM Access	OUT
32	CASL	CAS Signal (Lower 16bits) for SRAM Access	OUT
33	SYS_SW	Power Switch for Peripheral ICs	OUT
34	AFT-V	V-Sync for panel drive	IN
35	VSS	GND	
36	BF-V	V-Sync for Input Signal	IN
37	ADDRESS18	Address bus18	OUT
38	ADDRESS19	Address bus19	OUT
39	ADDRESS20	Address bus20	OUT
40	VCC	5V	
41	ADDRESS21	Address bus21	OUT
42	VSS	GND	
43	READ	READ Signal	OUT
44	WDT	Over flow output from Watch Dog Timer	OUT
45	DATA31	Data bus31	IN/OUT
46	DATA30	Data bus30	IN/OUT
47	WRH	WRITE Signal (Higher 16 bits)	OUT
48	WRL	WRITE Signal (Lower 16 bits)	OUT
49	CS1	Chip Select for BGA	OUT
50	CS0	Chip Select for Flash Memory	OUT

CPU Port Functions

Pin No.	Function Name	Function	IN/OUT
51	CAL-END	FPGA Operation completed when signal change "L" to "H"	IN
52	FPGA CONT	FPGA Activate "H"	OUT
53	CS3	Chip Select for SRAM	OUT
54	CS2	Chip Select for USB/LCD driver	OUT
55	VSS	GND	
56	DB_29	Data bus29	IN/OUT
57	DB_28	Data bus28	IN/OUT
58	DB_27	Data bus27	IN/OUT
59	DB_26	Data bus26	IN/OUT
60	DB_25	Data bus25	IN/OUT
61	VSS	GND	
62	DB_24	Data bus24	IN/OUT
63	VCC	3.3V	
64	DB_23	Data bus23	IN/OUT
65	DB_22	Data bus22	IN/OUT
66	DB_21	Data bus21	IN/OUT
67	DB_20	Data bus20	IN/OUT
68	DB_19	Data bus19	IN/OUT
69	DB_18	Data bus18	IN/OUT
70	DB_17	Data bus17	IN/OUT
71	VSS	GND	
72	DB_16	Data bus16	IN/OUT
73	DB_15	Data bus15	IN/OUT
74	DB_14	Data bus14	IN/OUT
75	DB_13	Data bus13	IN/OUT
76	DB_12	Data bus12	IN/OUT
77	VCC	3.3V	
78	DB_11	Data bus11	IN/OUT
79	VSS	GND	
80	DB_10	Data bus10	IN/OUT
81	DB_9	Data bus9	IN/OUT
82	DB_8	Data bus8	IN/OUT
83	DB_7	Data bus7	IN/OUT
84	DB_6	Data bus6	IN/OUT
85	VCC	3.3V	
86	DB_5	Data bus5	IN/OUT
87	VSS	GND	
88	DB_4	Data bus4	IN/OUT
89	DB_3	Data bus3	IN/OUT
90	DB_2	Data bus2	IN/OUT
91	DB_1	Data bus1	IN/OUT
92	DB_0	Data bus0	IN/OUT
93	VSS	GND	IN/OUT
94	XTAL	X'tal Oscillator Input	IN
95	MODE3	Multiplier Setting with Mode 3	IN
96	EXTAL	X'tal Oscillator Output	OUT
97	MODE2	Multiplier Setting with Mode 2	IN
98	NONMASK	Non-Maskable Input	IN
99	FWP	Flash Memory Write Mode	IN
100	FLASH_MODE	FWP Control	OUT

CPU Port Functions

Pin No.	Function Name	Function	IN/OUT
101		Reserved	
102	MODE1	MCUMode Setting with Mode 2 (Preset to "H")	IN
103	MODE2	MCUMode Setting with Mode 1 (Preset to "L")	IN
104	PLL VCC	PLL Power Supply	
105	PLL CAP	PLL Filter	
106	PLL GND	PLL GND	
107	M-CLK	Clock Output to FPGA	OUT
108	RESET	RESET	IN
109	SCTR	Chip Select for CXD3503R	IN
110	PRO ST	Strobe for Progressive Scan	OUT
111	KCPU	OSD DMA Transfer Request Input	IN
112	VCC	5V	
113	MOTOR EN	Motor Stop when the Power On (Output to "L")	OUT
114	SCDT	Digital Signal Identifier Input	IN
115	EXP STB1	Strobe for I/O Expander 1	OUT
116	EXP STB2	Strobe for I/O Expander 2	OUT
117	VSS	GND	
118	A/D IN 0	Key Input1 (A/D)	IN
119	A/D IN 1	Key Input2 (A/D)	IN
120	A/D IN 2	Key Input3 (A/D)	IN
121	A/D IN 3	Option Input for Destination(A/D)	IN
122	A/D IN 4	Lamp Detection Input (Abnormal : less than 1V)	IN
123	A/D IN 5	Reserve	IN
124	GND	A/D GND	
125	A/D IN 6	Power Failure Detection Input (Abnormal : less than 2V)	IN
126	A/D IN 7	Lens Position Detection Input (Bottom= \sim 1.5V, Top=1.5 \sim 3.3V, Other=3.3V \sim)	IN
127	5V	A/D Reference Voltage	
128	5V	A/D Power Source	
129	VSS	GND	
130	EXP DATA IN	I/O Expander Data Input	IN
131	EXP DATA OUT	I/O Expander Data output	OUT
132	EXP CLK	I/O Expander Clock Output	OUT
133	Rx	RS232C Receive(PC Communication)	IN
134	Tx	RS232C Transmit(PC Communication)	OUT
135	VCC	5V	
136	USB INTR	USB Interrupt Signal Input	IN
137	DAC STB	DAC Strobe	OUT
138	SDATA IN	Serial Data Input (Synchronized in pixel)	IN
139	SDATA OUT	Serial Data Output	OUT
140	SCLK	Serial Clock Output	OUT
141	VSS	GND	
142	RESET OUT	I/O Expander & USB CPU Reset	OUT
143	R/C	Remote Control Signal Input	IN
144	LAMP SW	Lamp On/Off Output	OUT

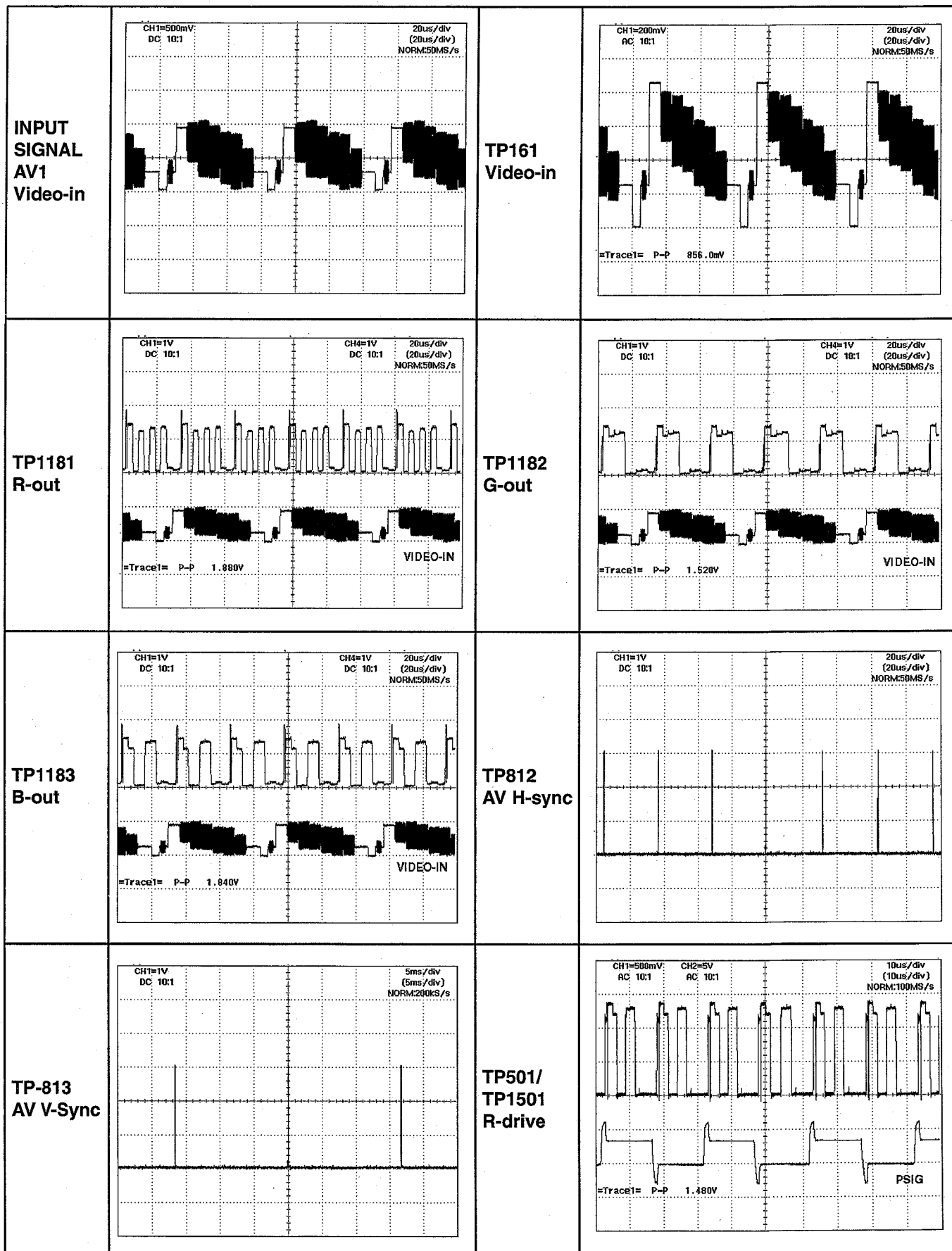
I/O Expander 1 (IC5801) Pin Function Table

Pin No.	Function Name	Function	Action	IN/OUT
1	SDOUT	Serial Data Output		OUT
2	SDIN	Serial Data Input		IN
3	SDCLK	Serial Data Clock		OUT
4	CHIP-SEL	Chip Select		IN
5	5V	-	-	-
6	RESET	Reset Signal Input		IN
7	GND	-	-	-
8	LENS SHIFT (-)	Lens Shift Down	"H": on "L": off	OUT
9	LENS SHIFT (+)	lens Shift UP	"H": on "L": off	OUT
10	FOCUS (-)	Focus Drive (-)	"H": on "L": off	OUT
11	FOCUS (+)	Focus Drive (+)	"H": on "L": off	OUT
12	ZOOM (-)	Zoom Down	"H": on "L": off	OUT
13	ZOOM (+)	Zoom Up	"H": on "L": off	
14	CPU-MOUSE 1	Air Mouse Control Signal 1	"L": CPU "H": Mouse	OUT
15	CPU-MOUSE 2	Air Mouse Control Signal 2	"L": CPU "H": Mouse	OUT
16	GND	-	-	
17	Reserved			
18	AV1/AV2	AV1/AV2 Mode Switch	"L": AV1 "H": AV2	OUT
19	CG/AV	CG/AV Mode Switch	"L": CG "H": AV	OUT
20	CG1/CG2	CG1/CG2 Mode Switch	"L": CG1 "H": CG2	OUT
21	Reserved			
22	Reserved			
23	Reserved			
24	Reserved			
25	NOR/PRSC	NOR/PRSC Switch	"L": Progressive Scan "H": Normal	OUT
26	POWER ON/OFF	Power ON/OFF	"L": Power Off "H": Power On	OUT
27	FAN DRIVE	Fan Drive On/Off	"L": Fan On "H": Fan Off	OUT
28	AUDIO-MUTE	Audio Mute	"L": Mute Off "H": Mute On	OUT
29	FILTER SW	Filter Switch	"L": Filter Off	OUT
30	Reserved			
31	Reserved			
32	SP SW	Built-in Speaker Switch	"L": On "H": Off	OUT

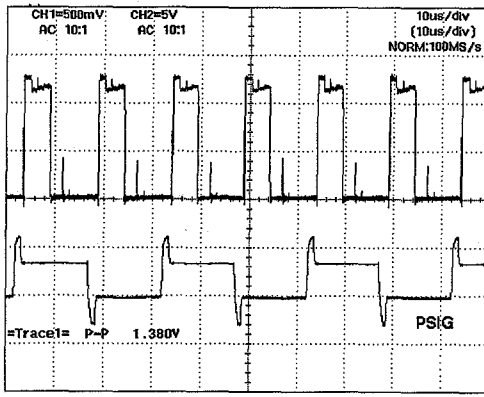
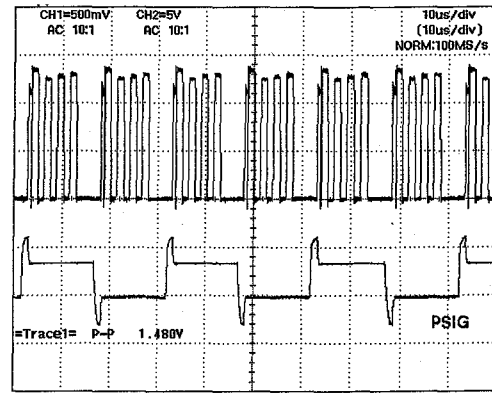
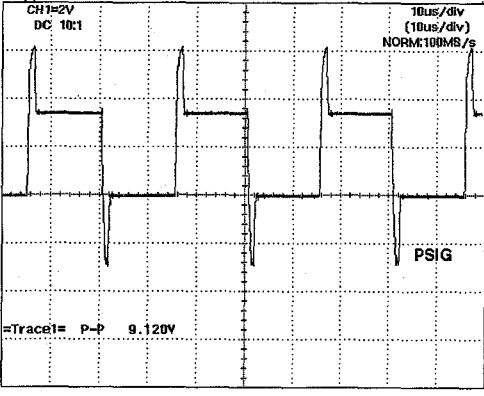
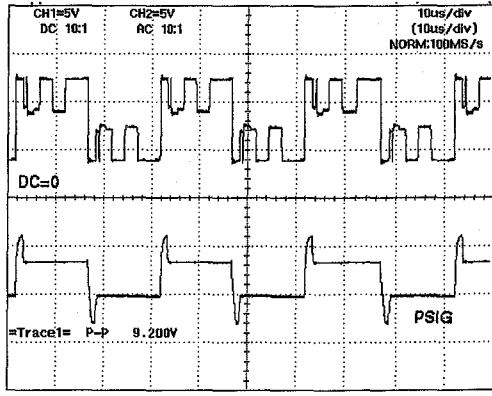
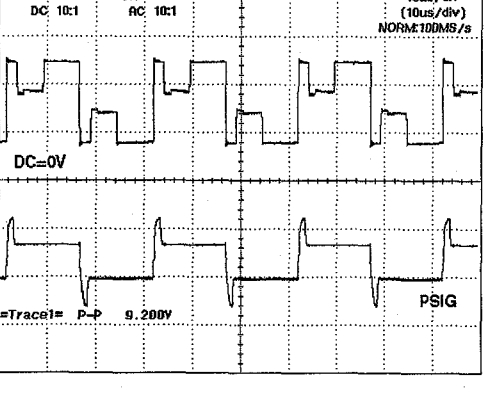
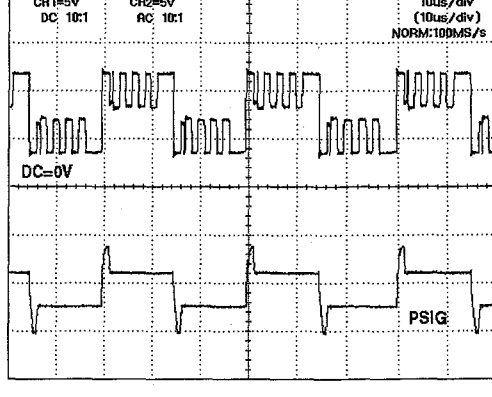
I/O Expander 2 (IC809) Pin Function Table

Pin No.	Function Name	Function	Action	IN/OUT
1	SDOUT	Serial Data Output		OUT
2	SDIN	Serial Data Input		IN
3	SDCLK	Serial Data Clock		OUT
4	CHIP-SEL	Chip Select		IN
5	5V	-	-	-
6	RESET	Reset Signal Input		IN
7	GND	-	-	-
8	S-SW	S-Video Input Detect	"L": S Input	IN
9	Reserved			
10	WARNING	Warning Output	"L": on "H": off	OUT
11	LAMP-REP	Lamp Replace LED	"L": on "H": off	OUT
12	READY	Ready Output	"L": on "H": off	OUT
13	USB1/USB2	USB1/USB2 Switch	"L": USB1 "H": USB2	
14	Reserved			
15	Reserved			
16	GND	-	-	-
17	DIGIT300 RESET	DIGIT300 Reset	"H": Reset On	OUT
18	SGRAM RESET	SGRAM Gate Array Reset	"L": Reset On	OUT
19	OSD RESET	OSD Gate Array Reset	"L": Reset On	OUT
20	RSTP	DRAM Read control		OUT
21	SGBUS CONT	BGA-SGRAM High-Impedance		OUT
22	V-SYNC DET	V-Sync Det. on C-Sync mode	"L": No V-Sync	IN
23	LAMP DET	Lamp Detection	"L": Abnormal	IN
24	TEMP DET	Temperature Detection	"L": Abnormal	IN
25	PR-DIF	PRG/DIF Mode Switch	"L": Progressive "H": DIF	OUT
26	FREEZE	External Freeze		OUT
27	DIF-PD	DIF-Power Down	"L": Power Down "H": On	OUT
28	PS_RST	Reset for Progressive Scan	"L": Reset On	OUT
29	Reserved			
30	ICS SW	Switch ICS1523-2	"L": through "H": Connected	OUT
31	G_SWB	Color Uniformity Comp.2		OUT
32	G_SWA	Color uniformity Comp.1		OUT

Waveforms



Waveforms

<p>TP-531/ TP1531 G-drive</p>		<p>TP561/ TP1561 B-drive</p>	
<p>TP581 PSIG</p>		<p>TP2501/ TP2511 S&H R-out</p>	
<p>TP2502/ TP2512 S&H G-out</p>		<p>TP2503/ TP2513 S&H B-out</p>	

■ Cleaning

After long periods of use, dust and other particles will accumulate on the LCD panel, prism, mirror, polarized glass, lens, etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit.

Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit.

Cleaning with air spray

1. Remove the cabinet cover following to step 1 of "Mechanical Disassemblies".
2. Clean up the LCD panel and polarizing plate by using the air spray from the cabinet top opening.

Caution:

Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be very careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

Disassembly Cleaning

Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.

Be sure to readjust the optical system after performing disassembly cleaning.

1. Remove the cabinet top and main unit following to step 2 to 3 of "Mechanical Disassemblies".
2. Remove integrator lens unit and relay lens unit, and then the optical base top following step 2 of "Optical Unit Disassemblies". If the LCD panel needs cleaning, remove the LCD panel unit following to "LCD panel replacement".
3. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

Caution:

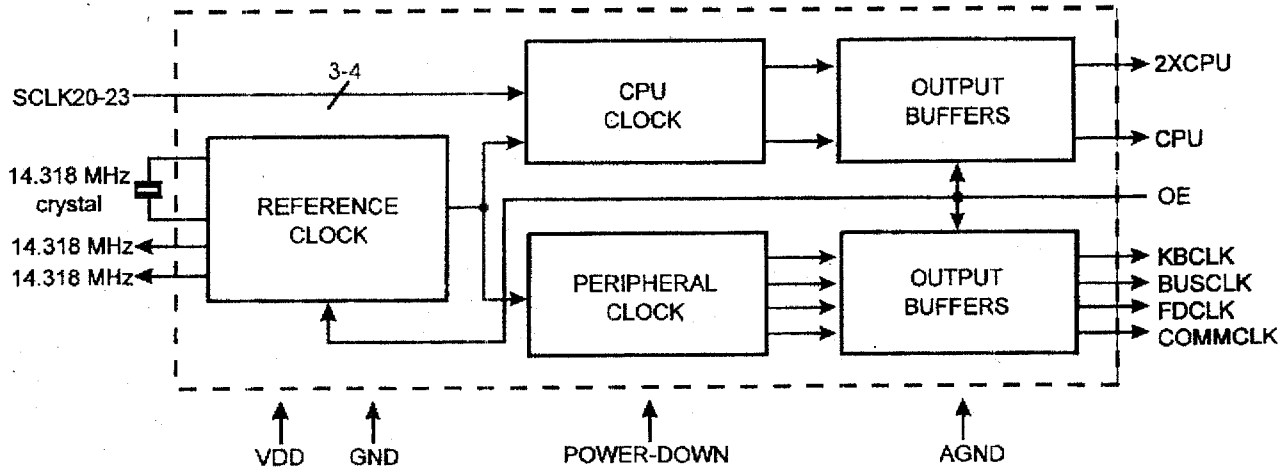
The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction. Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.

Since the LCD panel is equipped with an electronic circuit, never use any liquids (water, etc.) to clean the unit. Use of liquid may cause the unit to malfunction.

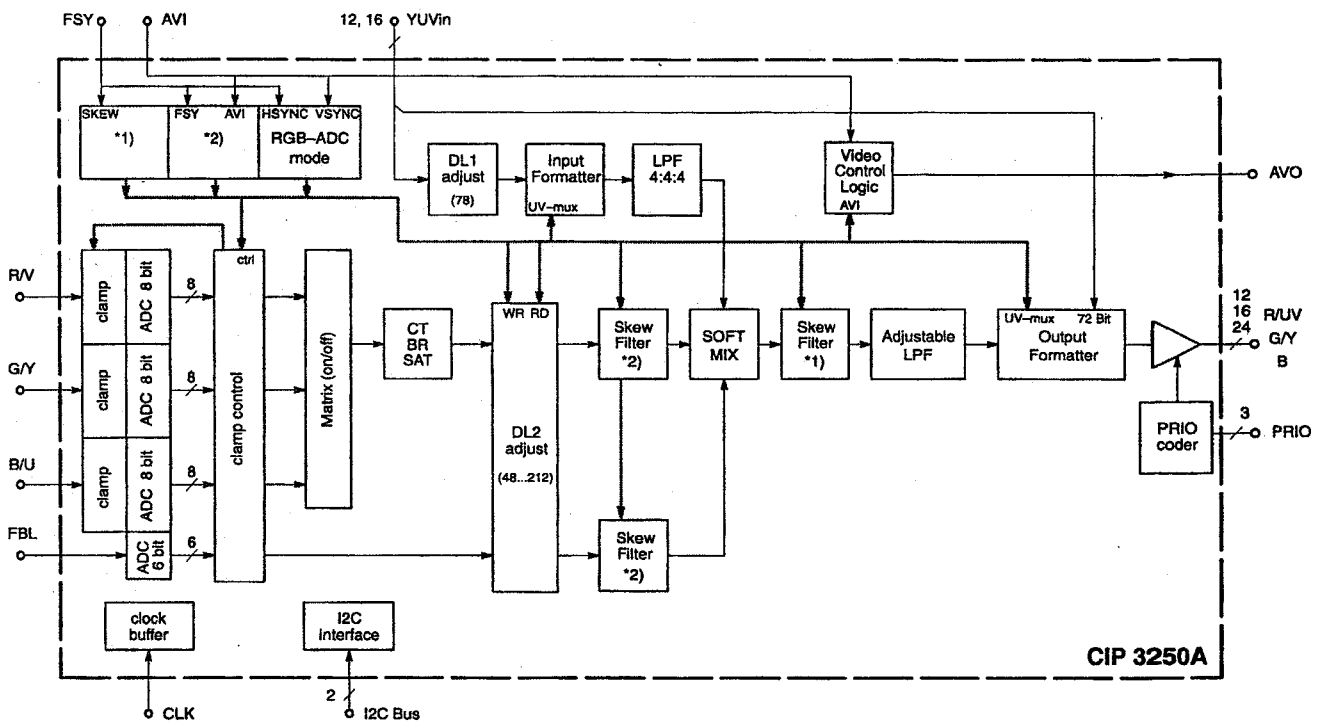
■ IC Block Diagrams

● AV9155C <OSC, IC3301, IC3321>

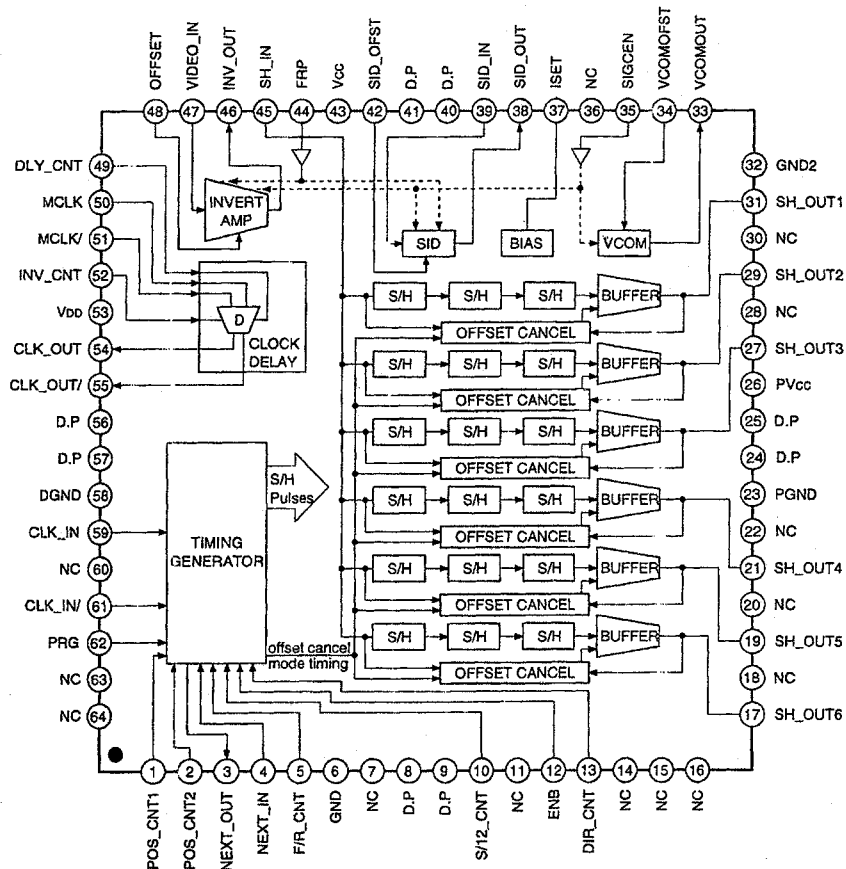
Block Diagram



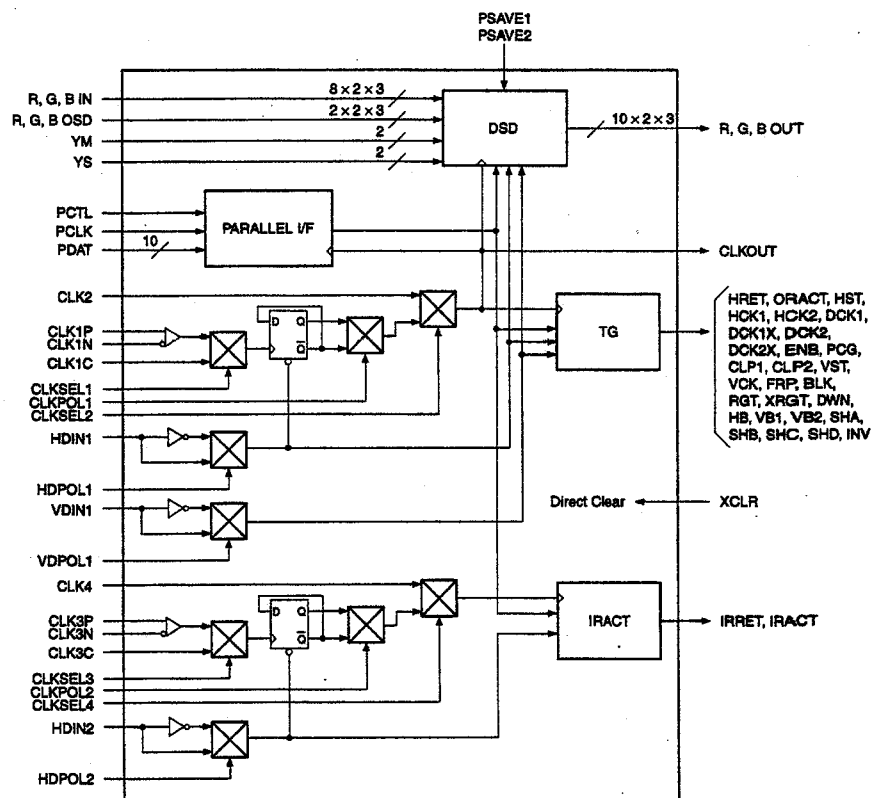
● CIP3250A <Component Interface Processor, IC102>



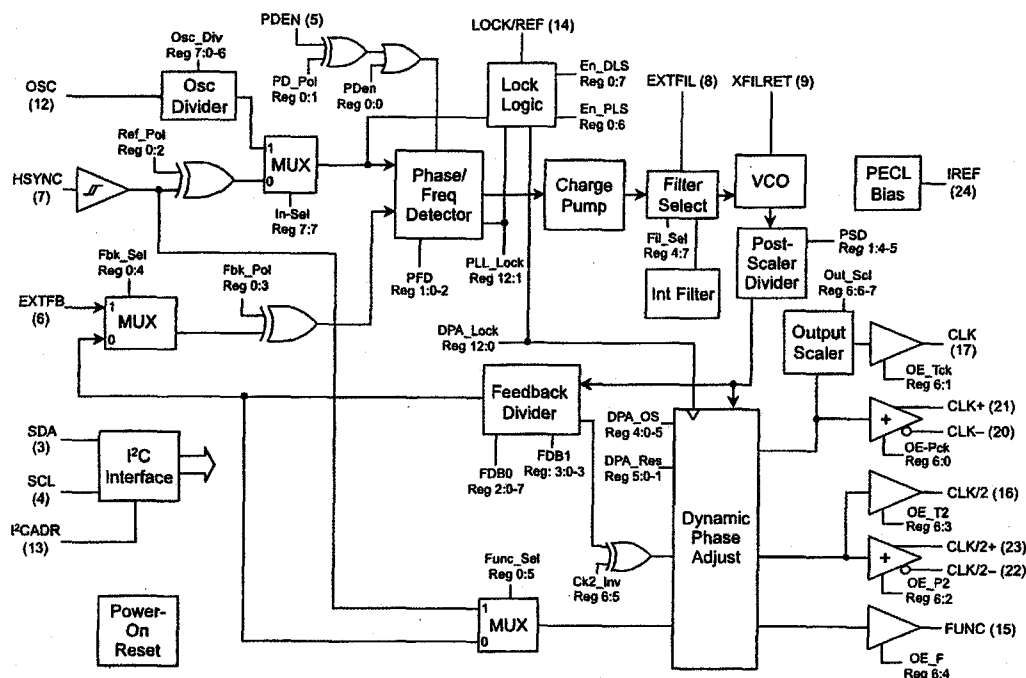
● CXA2112R <Sample & Hold, IC501, IC531, IC561, IC1501, IC1531, IC1561>



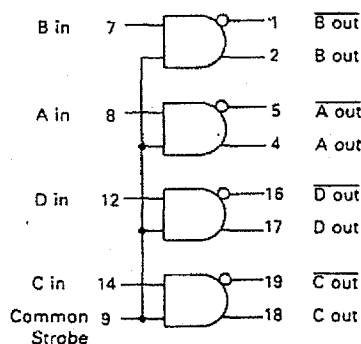
● CXD2467Q <LCD Driver, IC401>



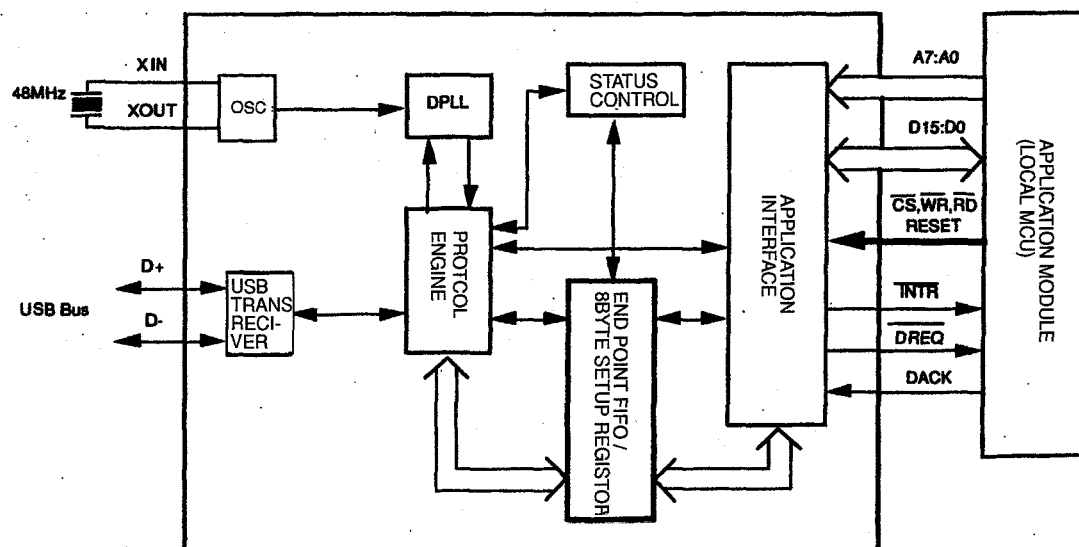
● ICS1523M <VCO, IC1104, IC1201, IC1271>



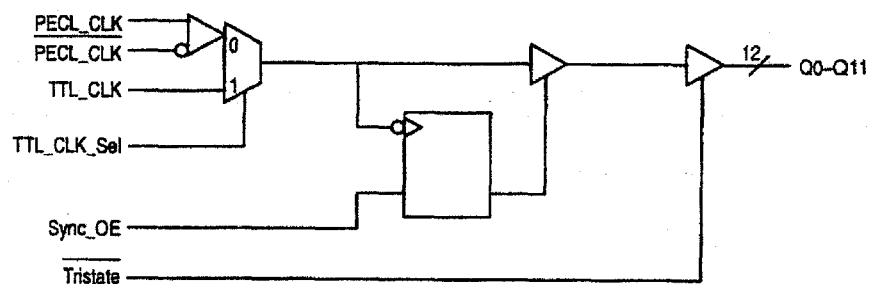
● MC10H351ML1 <TTL-ECL Level Shift, IC1551>



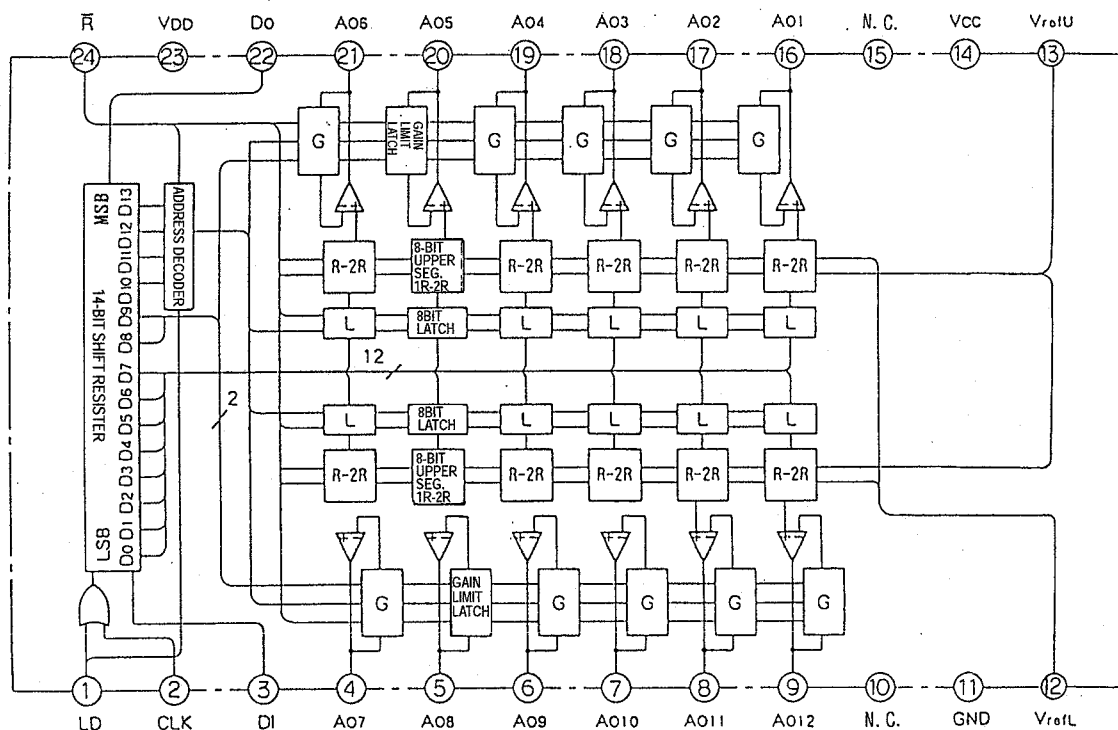
● ML60851ATB <USB Controller, IC3801>



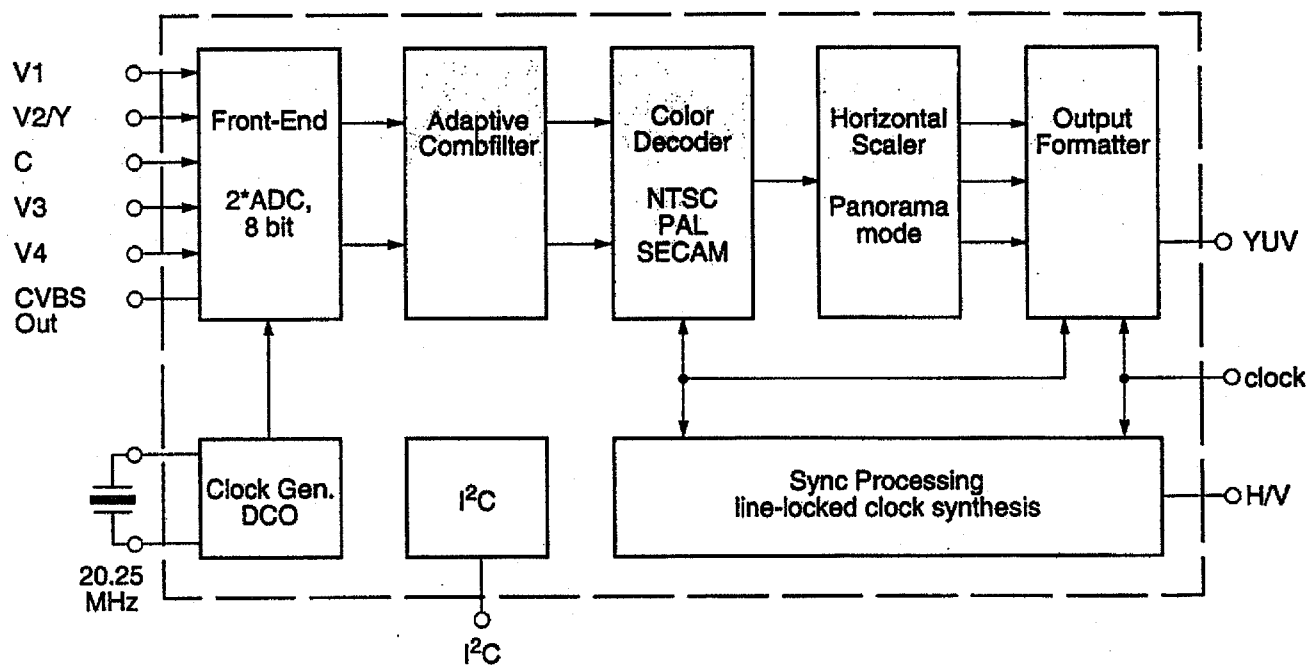
● MPC948FA <Clock Driver, IC3341>



● M62358FP <DAC, IC1401>

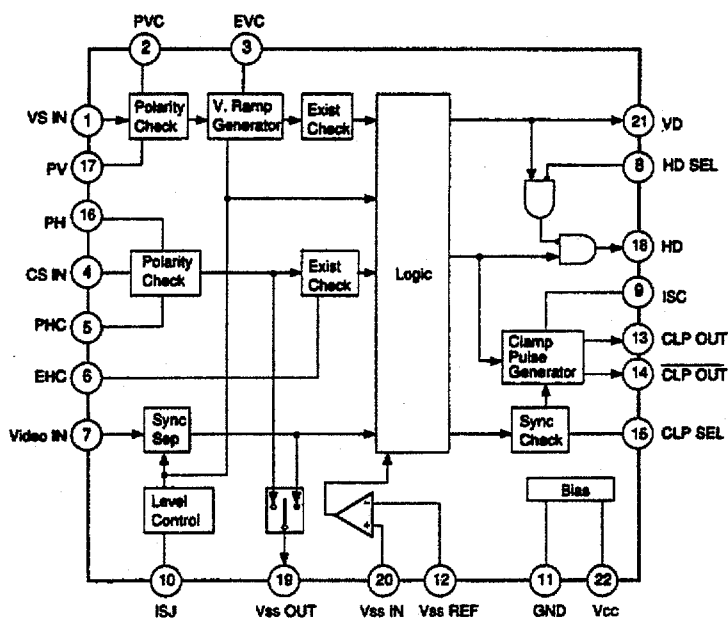


● VPC3215C <Digital Video Processor, IC101>

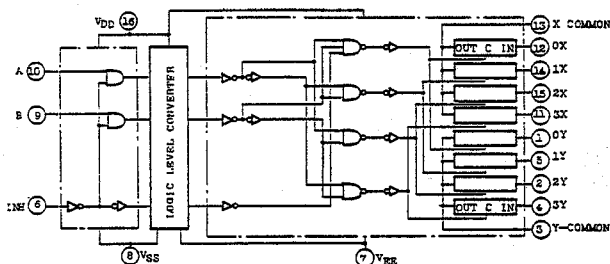




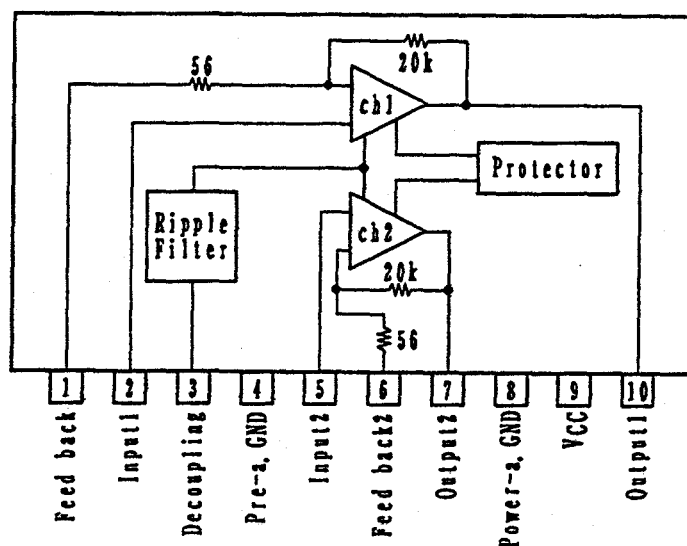
● CXA2016S <Sync. Separator, IC4141>



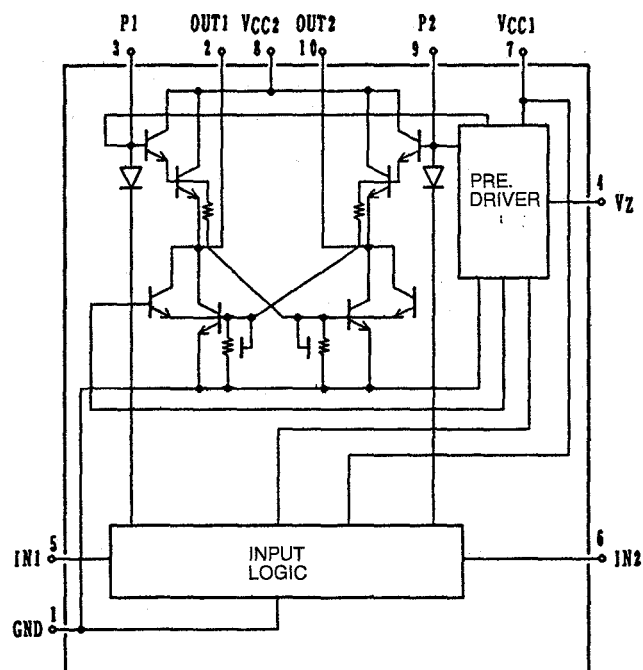
● TC4052BF <Sync. Separator, IC4141>

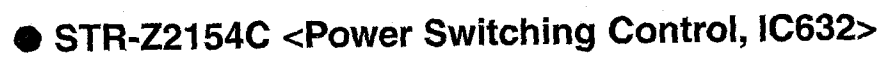


● LA4261 <Audio Output, IC001>

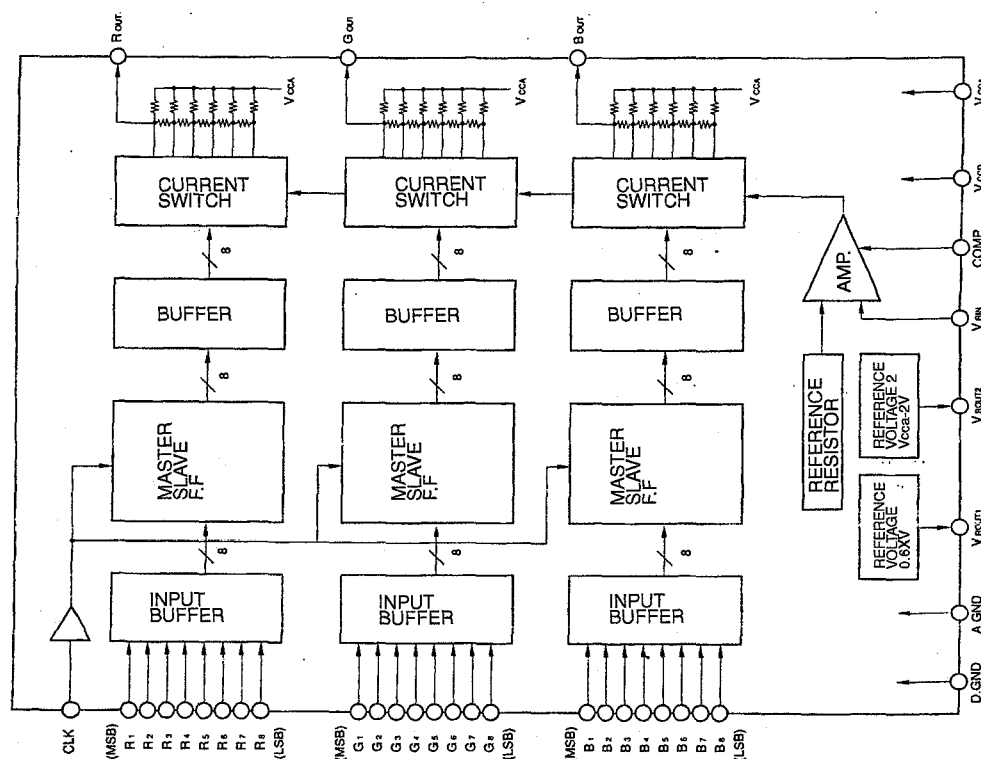


● LB1641/LB1645N <Motor Drive, IC1601, IC1611, IC1621>

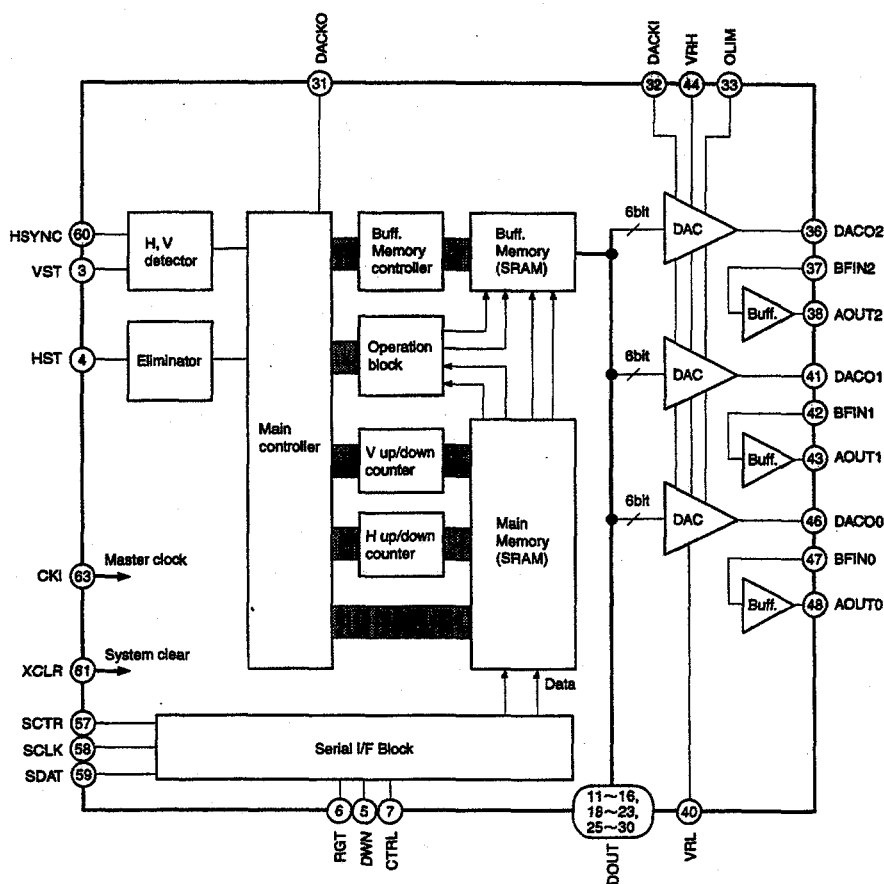




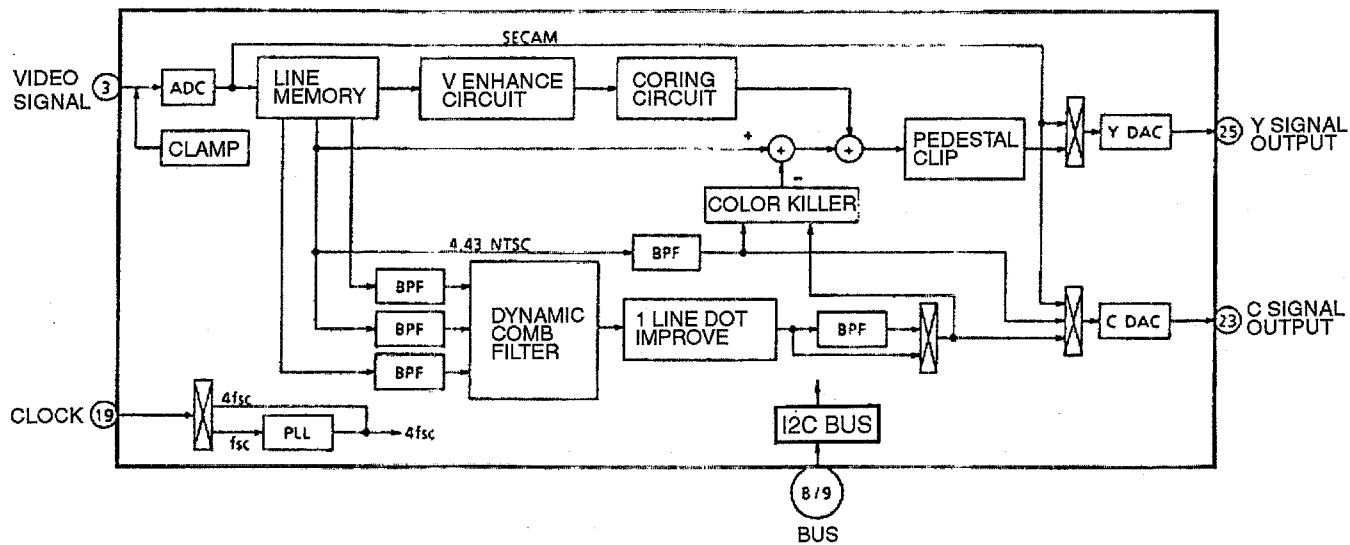
● MB40950M <D/A & DRIVER, IC1351, IC1361>



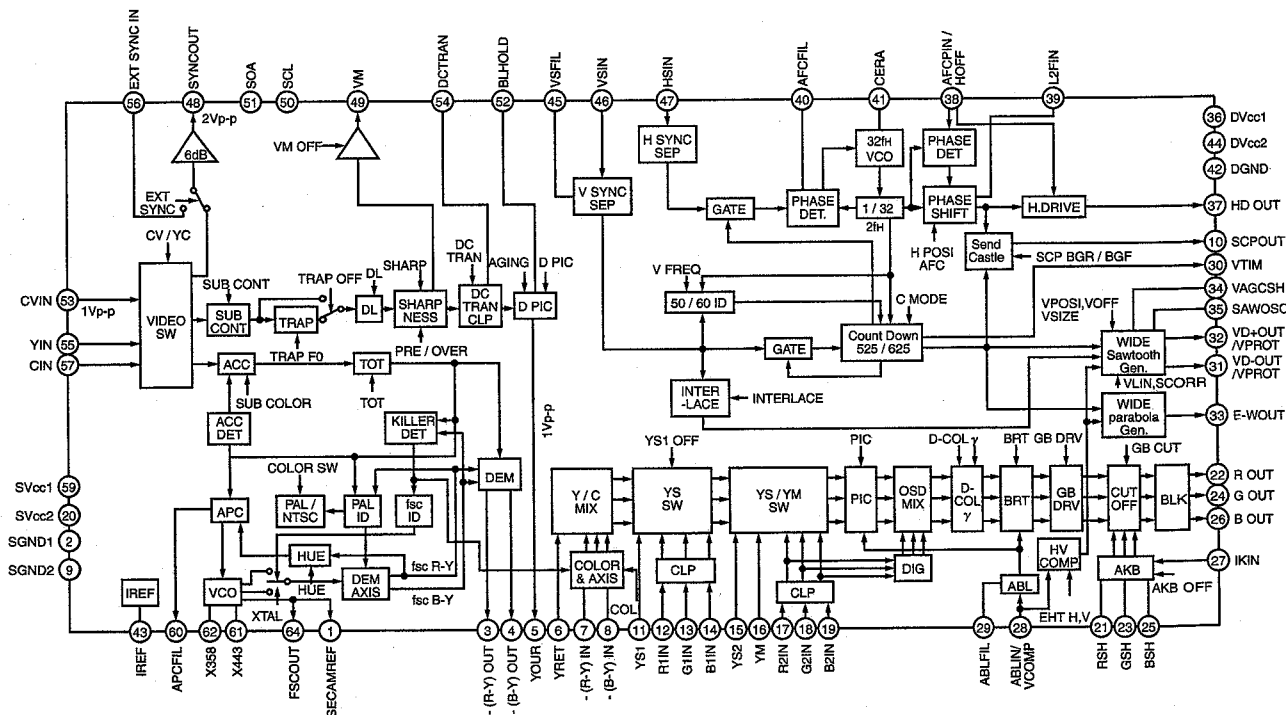
● CXD3503RM <White Uniformity Compensation, IC1461>



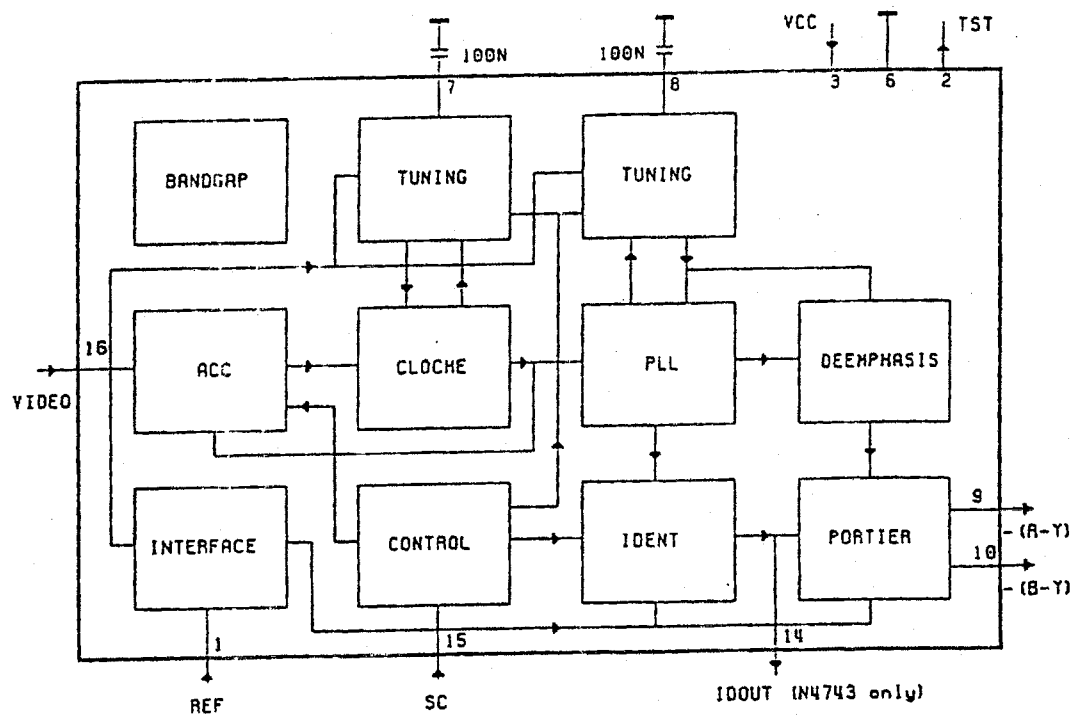
● TC9090AFP<3-Line Y/C Separator, IC4002>



● CXA2076Q<Video/Chroma Demodulator, IC6100>



● TDA8395T <SECAM Decoder, IC6103>



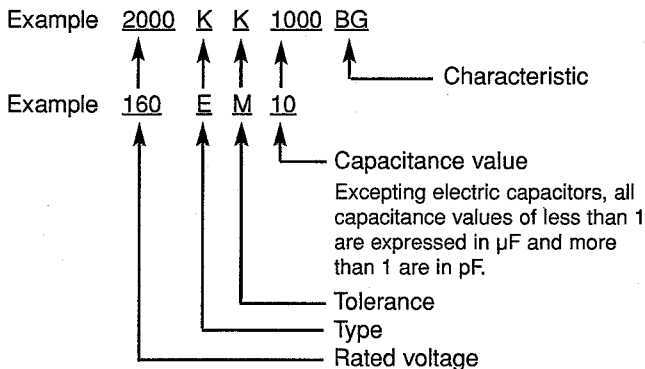
- Diode



Parts description and reading in schematic diagram

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video color bar signal(1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading



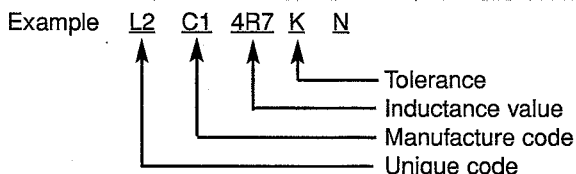
Material table

Mark	Material
E	Electrolytic
P	Electrolytic (non-polarized)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metalized polypropylene
H	Metalized polypropylene
B	Ceramic (semiconductor)
G	Metalized polyester
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

Tolerance table

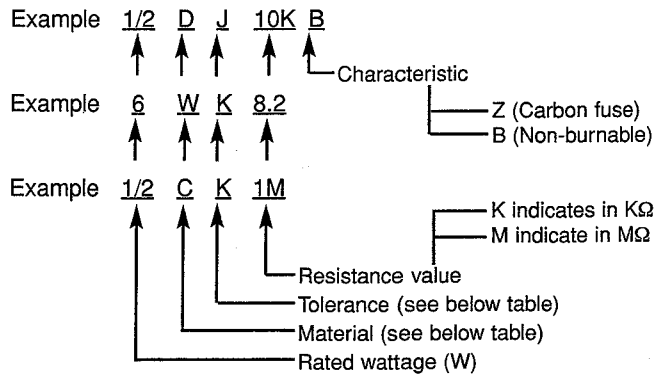
Mark	Tolerance
A	not specified
B	± 0.1
C	± 0.25
D	± 0.5
F	± 1
G	± 2
E	± 2.5
H	± 3
J	± 5
K	± 10
M	± 20
N	± 30
P	+100 -0
Q	+30 -10
T	+50 -10
U	+75 -10
V	+20 -10
W	+100 -10
X	+40 -20
Y	+150 -10
Z	+80 -20

Coil Reading



Mark	Tolerance (nH)	Mark	Tolerance (%)
C	± 0.25	G	± 2
D	± 0.5	J	± 5
S	± 0.3	K	± 10
A	± 0.2	L	± 15
		M	± 20

Resistor Reading



Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

Material table

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire winding or cement
H	Ceramic
F	Fusible

Tolerance table

Mark	Tolerance
A	± 0.05
B	± 0.1
C	± 0.25
D	± 0.5
F	± 1
G	± 2
J	± 5
K	± 10
M	± 20
P	+5 -15
Z	used in 0 ohm

Diode/Transistor Type Reading

Diode

Mark	Type number
--	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176
K	1S1555, 1S2473, 1S2076, DS442
L	1S1555, 1S2076A, 1S2471
M	1SS133, 1SS176, GMA01
N	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176, 1N4148
P	1S1555, 1S2076A, 1S2471, 1N4148
R	1S1555, 1S2076, 1S2473, DS442, 1N4148
AA	1S1555, 1S2076, 1S2473, 1SS133, DS442, 1SS176, 1N4148, GMA01

Transistor (NPN type)

Mark	Type number
--	2SC536 2SC945A 2SC1815 2SC1740 2SC1740S KSC945C
A	E, F, G P, Q, R O, Y, G Q, R, S Q, R, S
B	E, F, G P, Q, R O, Y, G Q, R, S
D	F, G P, Q Y, G Q, R, S
F	F, G P G R, S
H	F, G P, Q Y, G Q, R, S Y, G
I	E, F, G P, Q, R O, Y, G Q, R, S Y, G
G	F, G P Y, G R, S G
AD	F, G Q, R Y, GR Q, R, S
AE	E, F, G Q, R O, Y, GR Q, R, S

Transistor (PNP type)

Mark	Type number
--	2SA608 2SA564A 2SA1015 2SA933 2SA933S KSA733C
Y	E, F Q, R O, Y, G Q, R
W	F R Y, G R
V	E, F Q, R O, Y, G Q, R Y, G
U	F R Y, G R G
Z	E, F Q, R O, Y, G Q, R Q, R
AB	F R Y Q, R
AE	E, F Q, R O, Y R

Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector. Components indicated by a Δ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$

D : $\pm 0.5\text{pF}$ E : $+0 -1\text{pF}$ F : $\pm 1\text{PF}$

G : $\pm 2\text{pF}$ H : $+0.1 -0\text{pF}$ L : $+0 -0.1\text{pF}$

R : $\pm 0.25 -0\text{pF}$ S : $+0 -0.25\text{pF}$

More than 10pF

A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$

D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$

H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$

L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$

P : $+100 -0\%$ Q : $+30 -10\%$ T : $+50 -10\%$

U : $+75 -10\%$ V : $+20 -10\%$ W : $+100 -10\%$

X : $+40 -20\%$ Y : $+150 -10\%$ Z : $+80 -20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC.....Ceramic

MT-PAPER.....Metallized Paper

POLYESTER.....Polyester

MT-POLYEST.....Metallized Polyester

POLYPRO.....Polypropylene

MT-POLYPRO.....Metallized Polypropylene

COMPO FILM.....Composite film

MT-COMPO.....Metallized Composite

STYRENE.....Styrene

TA-SOLID.....Tantalum Oxide Solid Electrolytic

AL-SOLID.....Aluminium Solid Electrolytic

ELECT.....Aluminum Foil Electrolytic

NP-ELECT.....Non-polarised Electrolytic

OS-SOLID.....Aluminium Solid with Organic Semiconductive Electrolytic

POS-SOLID.....Polymerized Organic Semiconductive

DL-ELECT.....Double Layered Electrolytic

PPS-FILM.....Polyphenylene Sulfide Film

MT-PPS-FILM.....Metallized Polyphenylene Sulfide Film

MT-PEN-FILM.....Metallized Polyethylenenaphthalate Film

CAPACITOR.....Other

RESISTOR CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A: General B: Non flammable Z: Low noise

Other: Temperature coefficient

T: $\pm 10\text{ppm}/^\circ\text{C}$

U: $\pm 25\text{ppm}/^\circ\text{C}$

C: $\pm 50\text{ppm}/^\circ\text{C}$

D: $\pm 100\text{ppm}/^\circ\text{C}$

E: $\pm 200\text{ppm}/^\circ\text{C}$

F: $\pm 250\text{ppm}/^\circ\text{C}$

G: $\pm 350\text{ppm}/^\circ\text{C}$

H: $\pm 1000\text{ppm}/^\circ\text{C}\pm 10\%$

W: $\pm 1200\text{ppm}/^\circ\text{C}\pm 10\%$

Y: $\pm 1400\text{ppm}/^\circ\text{C}\pm 10\%$

J: $\pm 2000\text{ppm}/^\circ\text{C}\pm 10\%$

K: $\pm 2400\text{ppm}/^\circ\text{C}\pm 10\%$

L: $\pm 2700\text{ppm}/^\circ\text{C}\pm 10\%$

M: $\pm 3000\text{ppm}/^\circ\text{C}\pm 10\%$

N: $\pm 3300\text{ppm}/^\circ\text{C}\pm 10\%$

P: $\pm 3600\text{ppm}/^\circ\text{C}\pm 10\%$

Q: $\pm 3900\text{ppm}/^\circ\text{C}\pm 10\%$

R: $\pm 4200\text{ppm}/^\circ\text{C}\pm 10\%$

S: $\pm 4300\text{ppm}/^\circ\text{C}\pm 10\%$

V: $\pm 4500\text{ppm}/^\circ\text{C}\pm 10\%$

X: $\pm 8000\text{ppm}/^\circ\text{C}\pm 10\%$

Tolerance Symbols:

A: $\pm 0.05\%$ B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$

F: $\pm 1\%$ G: $\pm 2\%$ J: $\pm 5\%$ K: $\pm 10\%$

M: $\pm 20\%$ P: $\pm 5 -15\%$ Z: 0 ohm

Rated value, ohms:

K: 1,000, M: 1,000,000

Material:

CARBON.....Carbon

MT-FILM.....Metal Film

OXIDE-MT.....Oxide Metal Film

SOLID.....Composition

MT-GLAZE.....Metal Glaze

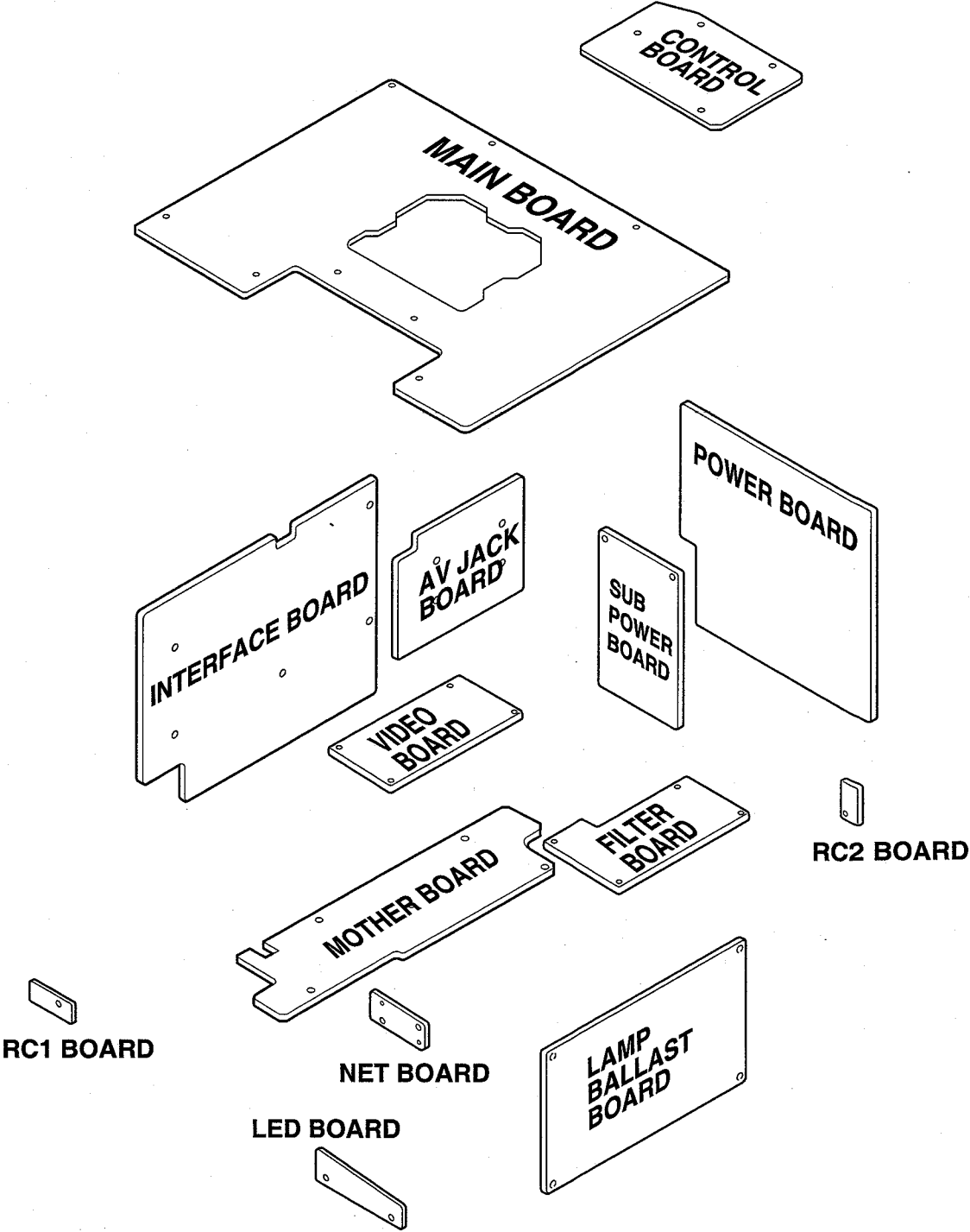
WIRE WOUND...Wire Wound

CERAMIC RES..Ceramic

FUSIBLE RES....Fusible

RESISTOROther

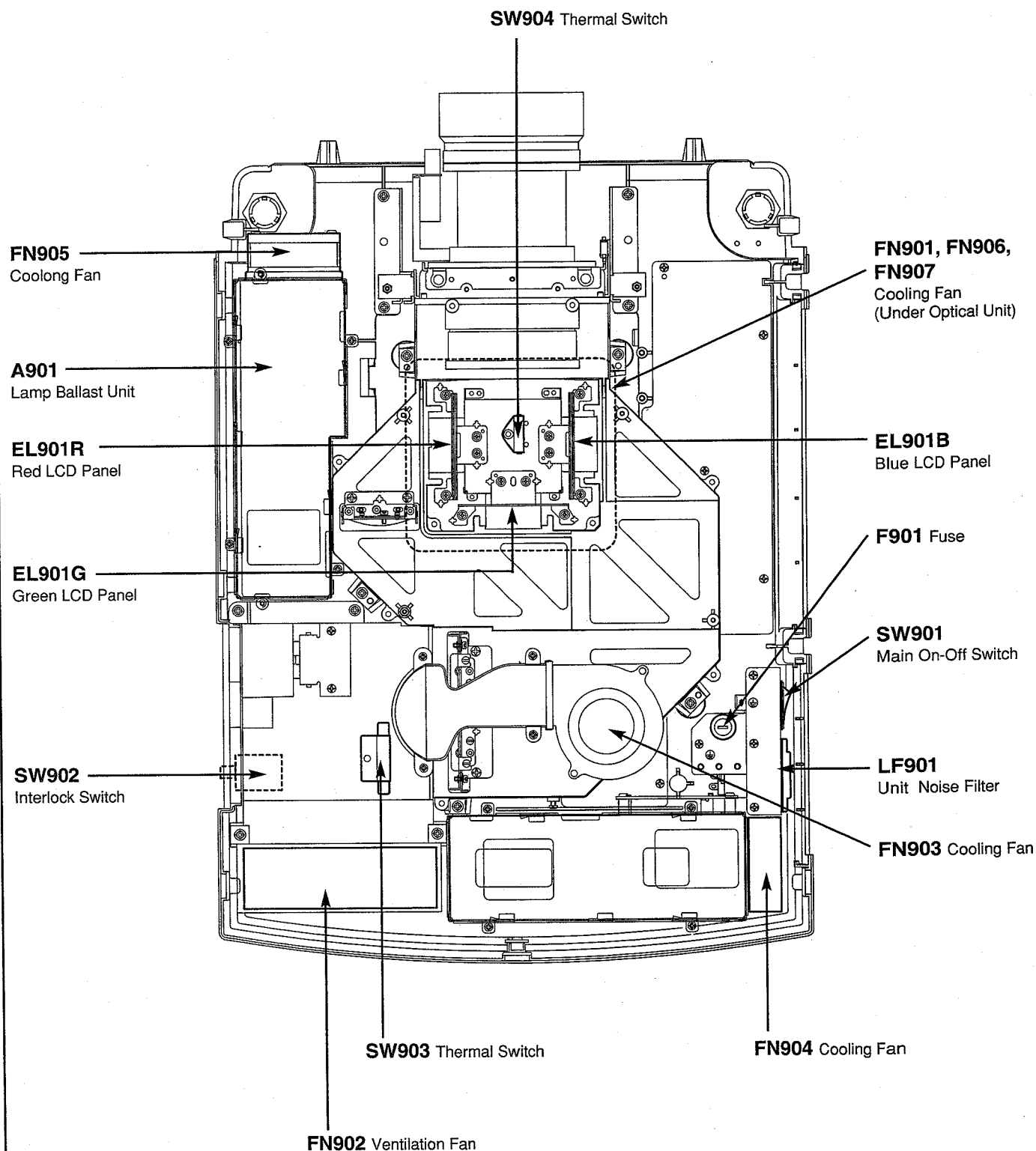
● BOARDS LOCATION



Electrical Parts List

Note: Parts order must contain Service Ref. No., Part No., and Descriptions.

● OUT OF CIRCUIT BOARD



Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
OUT OF CIRCUIT BOARD			CAPACITOR		
△ LF901	645 030 4200	UNIT, NOISE FILTER	C009	403 189 2405	ELECT 10U M 16V
LF901A	645 032 6318	TERMINAL	C011	403 155 9902	NP-ELECT 2.2U M 50V
△ LP901	610 280 4225	LAMP ASSY (POA-LMP20J)	C012	403 155 9902	NP-ELECT 2.2U M 50V
L901	645 020 3640	CORE, FERRITE	C013	403 193 7809	ELECT 100U M 16V
L902	645 020 3640	CORE, FERRITE	C014	403 069 9500	CERAMIC 0.01U Z 50V
L903	645 020 3640	CORE, FERRITE	C016	403 069 9500	CERAMIC 0.01U Z 50V
MISCELLANEOUS			C017	403 163 8409	ELECT 47U M 16V
△ A901	645 037 7730	UNIT, BALLAST	C018	403 193 7809	ELECT 100U M 16V
EL901B	645 037 7860	LCD(LCX017CLT-6 B)	C019	403 192 5905	CERAMIC 0.1U K 25V
EL901G	645 037 7846	LCD(LCX017CLT-8 G)	C021	403 192 5905	CERAMIC 0.1U K 25V
	645 037 7853	LCD(LCX017CLT-7 R)	C022	403 047 5005	ELECT 470U M 25V
EL901R	645 037 7853	LCD(LCX017CLT-7 R)	C023	403 046 5907	ELECT 330U M 25V
△ FN901	645 032 8527	MOTOR, FAN DC 2.5W	C024	403 046 5907	ELECT 330U M 25V
△ FN902	645 026 9226	MOTOR, FAN DC 7W	C026	403 047 5005	ELECT 470U M 25V
△ FN903	645 038 1690	MOTOR, FAN DC 4.6W	C1601	403 044 1703	ELECT 470U M 16V
△ FN904	645 030 8345	MOTOR, FAN DC 1.92W	C1602	403 069 9500	CERAMIC 0.01U Z 50V
△ FN905	645 029 2552	MOTOR, FAN DC 1.44W	C1603	403 069 9500	CERAMIC 0.01U Z 50V
△ FN906	645 038 1690	MOTOR, FAN DC 4.6W	C1611	403 044 1703	ELECT 470U M 16V
△ FN907	645 038 1690	MOTOR, FAN DC 4.6W	C1612	403 069 9500	CERAMIC 0.01U Z 50V
△ F901	423 025 1201	FUSE 250V 8A	C1613	403 069 9500	CERAMIC 0.01U Z 50V
F901A	645 023 3777	HOLDER, FUSE	C1621	403 044 1703	ELECT 470U M 16V
SP901	610 055 5471	SPEAKER	C1622	403 069 9500	CERAMIC 0.01U Z 50V
SP902	610 055 5471	SPEAKER	C1623	403 256 2406	CERAMIC 0.22U Z 50V
△ SW901	645 028 5516	SWITCH, POWER 2P-2TX2	C1631	403 044 1703	ELECT 470U M 16V
△ SW902	645 031 7743	SWITCH, PUSH 2P-2TX2	C1632	403 069 9500	CERAMIC 0.01U Z 50V
△ SW903	645 030 0745	SWITCH, REED	C1633	403 044 1703	ELECT 470U M 16V
△ SW904	645 032 6639	SWITCH, REED	C1634	403 069 9500	CERAMIC 0.01U Z 50V
WK43A-AV	645 037 0540	FLEXIBLE FLAT CABLE	C5601	403 148 0404	ELECT 1000U M 25V
WK43B-AV	645 037 0540	FLEXIBLE FLAT CABLE		403 301 7103	ELECT 1000U M 25V
W902	610 273 1774	CORD, ID-CONNECTOR M6MA	C5602	403 148 0404	ELECT 1000U M 25V
W903	610 273 1781	CORD, ID-CONNECTOR M6MA		403 301 7103	ELECT 1000U M 25V
610 281 3937 ASSY, PWB, MOTHER M6VAA			C5603	403 047 5005	ELECT 470U M 25V
1AA0B10C213AA			C5604	403 069 9500	CERAMIC 0.01U Z 50V
TRANSISTOR			C5606	403 069 9500	CERAMIC 0.01U Z 50V
Q001	405 014 4509	TR 2SC2412K T146 R	C5607	403 148 0404	ELECT 1000U M 25V
Q003	405 014 4509	TR 2SC2412K T146 R		403 301 7103	ELECT 1000U M 25V
Q004	405 014 4509	TR 2SC2412K T146 R	C5608	403 148 0404	ELECT 1000U M 25V
Q006	405 014 4509	TR 2SC2412K T146 R		403 301 7103	ELECT 1000U M 25V
Q5601	405 052 8002	TR 2SB1274-R	C5609	403 147 9606	ELECT 1000U M 10V
	405 052 8101	TR 2SB1274-S		403 301 2306	ELECT 1000U M 10V
Q5602	405 014 4509	TR 2SC2412K T146 R	C5611	403 119 7609	ELECT 2200U M 10V
Q5603	405 052 8002	TR 2SB1274-R		403 313 5906	ELECT 2200U M 10V
	405 052 8101	TR 2SB1274-S	C5612	403 069 9500	CERAMIC 0.01U Z 50V
Q5604	405 014 4509	TR 2SC2412K T146 R	C5613	403 119 7609	ELECT 2200U M 10V
Q5606	405 144 6503	TR 2SK2312		403 313 5906	ELECT 2200U M 10V
Q5607	405 014 4509	TR 2SC2412K T146 R	C5614	403 119 7609	ELECT 2200U M 10V
Q5608	405 014 4509	TR 2SC2412K T146 R		403 313 5906	ELECT 2200U M 10V
Q5801	405 014 4509	TR 2SC2412K T146 R	C5616	403 069 9500	CERAMIC 0.01U Z 50V
Q5802	405 014 4509	TR 2SC2412K T146 R	C5617	403 119 7609	ELECT 2200U M 10V
Q5803	405 014 4509	TR 2SC2412K T146 R		403 313 5906	ELECT 2200U M 10V
Q5806	405 014 4509	TR 2SC2412K T146 R	C5618	403 069 9500	CERAMIC 0.01U Z 50V
INTEGRATED CIRCUIT			C5619	403 193 7809	ELECT 100U M 16V
IC001	409 017 7208	IC LA4261	C5621	403 193 7809	ELECT 100U M 16V
IC1601	409 114 4803	IC LB1641	C5624	403 044 1703	ELECT 470U M 16V
IC1611	409 114 4803	IC LB1641	C5626	403 119 7609	ELECT 2200U M 10V
IC1621	409 085 1900	IC LB1645N		403 313 5906	ELECT 2200U M 10V
IC5601	409 367 2809	IC BA178M09T	C5631	403 069 9500	CERAMIC 0.01U Z 50V
IC5602	410 344 0404	IC LT1585CT-3.45	C5632	403 147 9606	ELECT 1000U M 10V
IC5801	409 403 6204	IC M66010GP		403 301 2306	ELECT 1000U M 10V
			C5633	403 069 9500	CERAMIC 0.01U Z 50V
			C5801	403 316 5408	CERAMIC 1U K 10V
			C5841	403 316 5408	CERAMIC 1U K 10V
			C5842	403 205 7803	TA-SOLID 2.2U M 16V
			RESISTOR		
			R011	401 037 5004	MT-GLAZE 0.000 ZA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R012	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R5808	401 037 5608	MT-GLAZE 10K JA 1/10W
R013	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5809	401 038 0800	MT-GLAZE 22K JA 1/10W
R014	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R5810	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R019	401 037 9309	MT-GLAZE 18K JA 1/10W	R5811	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R021	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R5812	401 037 5202	MT-GLAZE 100 JA 1/10W
R022	401 037 9309	MT-GLAZE 18K JA 1/10W	R5813	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R023	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R5814	401 037 5202	MT-GLAZE 100 JA 1/10W
R024	401 038 2002	MT-GLAZE 270 JA 1/10W	R5815	401 038 0800	MT-GLAZE 22K JA 1/10W
R026	401 038 0602	MT-GLAZE 220 JA 1/10W	R5816	401 038 0800	MT-GLAZE 22K JA 1/10W
R027	401 037 5608	MT-GLAZE 10K JA 1/10W	R5817	401 038 0800	MT-GLAZE 22K JA 1/10W
R028	401 037 5608	MT-GLAZE 10K JA 1/10W	R5818	401 038 0800	MT-GLAZE 22K JA 1/10W
R029	401 038 2002	MT-GLAZE 270 JA 1/10W	R5819	401 038 0800	MT-GLAZE 22K JA 1/10W
R031	401 090 2002	MT-GLAZE 3.9 JA 1/10W	R5821	401 038 0800	MT-GLAZE 22K JA 1/10W
R034	401 090 2002	MT-GLAZE 3.9 JA 1/10W	R5822	401 038 0800	MT-GLAZE 22K JA 1/10W
R036	401 037 5608	MT-GLAZE 10K JA 1/10W	R5823	401 038 0800	MT-GLAZE 22K JA 1/10W
R037	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R5825	401 038 0800	MT-GLAZE 22K JA 1/10W
R038	401 038 7601	MT-GLAZE 560 JA 1/10W	R5826	401 038 0800	MT-GLAZE 22K JA 1/10W
R039	401 038 7601	MT-GLAZE 560 JA 1/10W	R5827	401 038 0800	MT-GLAZE 22K JA 1/10W
R041	401 037 5400	MT-GLAZE 1K JA 1/10W	R5828	401 038 0800	MT-GLAZE 22K JA 1/10W
R043	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5829	401 038 0800	MT-GLAZE 22K JA 1/10W
R045	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5831	401 038 0800	MT-GLAZE 22K JA 1/10W
R1601	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R5832	401 038 0800	MT-GLAZE 22K JA 1/10W
R1602	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R5833	401 038 0800	MT-GLAZE 22K JA 1/10W
R1603	401 037 5400	MT-GLAZE 1K JA 1/10W	R5834	401 038 0800	MT-GLAZE 22K JA 1/10W
R1604	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5835	401 038 0800	MT-GLAZE 22K JA 1/10W
R1611	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R5842	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1612	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R5843	401 038 0800	MT-GLAZE 22K JA 1/10W
R1613	401 037 5400	MT-GLAZE 1K JA 1/10W	R5846	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R1614	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5847	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R1621	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R5848	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1622	401 038 3603	MT-GLAZE 3.3K JA 1/10W			
R1623	401 037 5400	MT-GLAZE 1K JA 1/10W			
R1624	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			
R5601	401 238 4400	MT-GLAZE 2.7K JA 1/3W			
R5602	401 238 4202	MT-GLAZE 1.5K JA 1/3W			
R5603	401 037 5608	MT-GLAZE 10K JA 1/10W			
R5604	401 038 6406	MT-GLAZE 4.7K JA 1/10W			
R5608	401 238 4400	MT-GLAZE 2.7K JA 1/3W			
R5609	401 238 4202	MT-GLAZE 1.5K JA 1/3W			
R5611	401 037 5608	MT-GLAZE 10K JA 1/10W			
R5612	401 038 2101	MT-GLAZE 2.7K JA 1/10W			
R5613	401 067 4206	OXIDE-MT 33 JA 2W			
R5614	401 064 6302	OXIDE-MT 10 JA 2W			
R5616	401 037 8005	MT-GLAZE 15K JA 1/10W			
R5617	401 037 5707	MT-GLAZE 100K JA 1/10W			
R5621	401 037 5608	MT-GLAZE 10K JA 1/10W			
R5624	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			
R5625	401 037 5608	MT-GLAZE 10K JA 1/10W			

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
CAPACITOR					
C6801	403 070 2606	CERAMIC 0.1U Z 50V	R6853	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6802	403 070 2606	CERAMIC 0.1U Z 50V	R6854	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6803	403 070 2606	CERAMIC 0.1U Z 50V	R6856	401 037 5202	MT-GLAZE 100 JA 1/10W
RESISTOR			DIODE		
R6801	401 038 0800	MT-GLAZE 22K JA 1/10W	D6851	407 196 9907	LED SEL4828A
R6802	401 037 8005	MT-GLAZE 15K JA 1/10W	D6851A	610 274 7492	HOLDER LED-M6MGL
R6803	401 038 7700	MT-GLAZE 5.6K JA 1/10W	D6852	407 196 9709	LED SEL4228C
R6804	401 038 6406	MT-GLAZE 4.7K JA 1/10W	D6853	407 196 9808	LED SEL4428E
R6806	401 038 2101	MT-GLAZE 2.7K JA 1/10W	D6854	407 196 9709	LED SEL4228C
R6807	401 037 9200	MT-GLAZE 1.8K JA 1/10W	610 277 6041ASSY,PWB,NET M6VA		
R6808	401 037 7909	MT-GLAZE 1.5K JA 1/10W	1AA0B10C2130G		
R6809	401 038 6307	MT-GLAZE 470 JA 1/10W	RESISTOR		
R6812	401 038 0800	MT-GLAZE 22K JA 1/10W	R6891	401 037 5608	MT-GLAZE 10K JA 1/10W
R6813	401 037 8005	MT-GLAZE 15K JA 1/10W	R6892	401 037 5608	MT-GLAZE 10K JA 1/10W
R6814	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R6893	401 037 5608	MT-GLAZE 10K JA 1/10W
R6816	401 038 6406	MT-GLAZE 4.7K JA 1/10W	DIODE		
R6817	401 038 2101	MT-GLAZE 2.7K JA 1/10W	D6891	407 149 0807	DIODE 1SS355-TE-17
R6818	401 037 9200	MT-GLAZE 1.8K JA 1/10W	D6892	407 149 0807	DIODE 1SS355-TE-17
R6819	401 037 7909	MT-GLAZE 1.5K JA 1/10W	D6893	407 149 0807	DIODE 1SS355-TE-17
R6821	401 038 6307	MT-GLAZE 470 JA 1/10W	610 282 9297ASSY,PWB,POWER M6VAA		
R6823	401 038 0800	MT-GLAZE 22K JA 1/10W	1AA0B10C221AA		
R6824	401 037 8005	MT-GLAZE 15K JA 1/10W	TRANSISTOR		
R6826	401 038 7700	MT-GLAZE 5.6K JA 1/10W	Q601	405 135 5409	TR 2SK1544
R6827	401 038 6406	MT-GLAZE 4.7K JA 1/10W	Q602	405 135 5409	TR 2SK1544
R6828	401 038 2101	MT-GLAZE 2.7K JA 1/10W	Q621	405 014 4509	TR 2SC2412K T146 R
R6829	401 037 9200	MT-GLAZE 1.8K JA 1/10W	Q622	405 002 0308	TR 2SA1037K T146 R
R6831	401 037 7909	MT-GLAZE 1.5K JA 1/10W	Q661	405 014 4509	TR 2SC2412K T146 R
R6832	401 038 6307	MT-GLAZE 470 JA 1/10W	Q662	405 014 4509	TR 2SC2412K T146 R
DIODE			INTEGRATED CIRCUIT		
D6801	407 179 1706	ZENER DIODE UDZ5.1B-TE-17	IC621	409 406 7000	IC FA5331M
D6802	407 179 1706	ZENER DIODE UDZ5.1B-TE-17	IC631	409 179 4503	IC STR81145A
D6803	407 179 1706	ZENER DIODE UDZ5.1B-TE-17	IC632	409 426 6809	IC STR-Z2154C
D6804	407 179 1706	ZENER DIODE UDZ5.1B-TE-17	IC661	410 310 6706	IC SI-3120FA LF1113
MISCELLANEOUS			IC662	409 308 8600	IC SE005N
SW6801	645 025 3478	SWITCH,PUSH 1P-2TX1	CAPACITOR		
SW6802	645 025 3478	SWITCH,PUSH 1P-2TX1	C608	404 071 2107	MT-POLYEST 0.1U K 250V
SW6803	645 025 3478	SWITCH,PUSH 1P-2TX1	C609	403 165 6007	CERAMIC 1000P K 1K
SW6804	645 025 3478	SWITCH,PUSH 1P-2TX1		403 222 1303	CERAMIC 1000P K 1K
SW6806	645 025 3478	SWITCH,PUSH 1P-2TX1	C611	403 165 6007	CERAMIC 1000P K 1K
SW6807	645 025 3478	SWITCH,PUSH 1P-2TX1		403 222 1303	CERAMIC 1000P K 1K
SW6808	645 025 3478	SWITCH,PUSH 1P-2TX1	C612	403 147 9606	ELECT 1000U M 10V
SW6809	645 025 3478	SWITCH,PUSH 1P-2TX1	C613	403 147 9606	ELECT 1000U M 10V
SW6811	645 025 3478	SWITCH,PUSH 1P-2TX1	C614	403 275 6003	MT-POLYEST 1.5U J 400V
SW6812	645 025 3478	SWITCH,PUSH 1P-2TX1	C616	403 275 6003	MT-POLYEST 1.5U J 400V
SW6813	645 025 3478	SWITCH,PUSH 1P-2TX1	C617	403 148 1807	ELECT 220U M 35V
SW6814	645 025 3478	SWITCH,PUSH 1P-2TX1	C618	404 061 3602	ELECT 470U M 400V
SW6816	645 025 3478	SWITCH,PUSH 1P-2TX1	C619	404 061 3602	ELECT 470U M 400V
SW6817	645 025 3478	SWITCH,PUSH 1P-2TX1	C621	403 323 8706	MT-POLYEST 0.047U K 450V
SW6818	645 025 3478	SWITCH,PUSH 1P-2TX1	C622	403 074 9502	CERAMIC 680P K 50V
SW6819	645 025 3478	SWITCH,PUSH 1P-2TX1	C623	403 075 2304	CERAMIC 0.068U Z 50V
SW6821	645 025 3478	SWITCH,PUSH 1P-2TX1	C624	403 070 2606	CERAMIC 0.1U Z 50V
SW6822	645 025 3478	SWITCH,PUSH 1P-2TX1	C625	403 030 7009	CERAMIC 68P J 50V
610 277 6003ASSY,PWB,LED M6VA			C626	403 069 5601	CERAMIC 0.01U K 50V
1AA0B10C2130C			C627	403 073 7301	CERAMIC 470P K 50V
CAPACITOR			C628	403 073 1200	CERAMIC 0.033U K 50V
C6851	403 069 9500	CERAMIC 0.01U Z 50V	C631	404 071 2107	MT-POLYEST 0.1U K 250V
RESISTOR					
R6851	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			
R6852	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C632	403 165 6007	CERAMIC 1000P K 1K	R630	401 038 0503	MT-GLAZE 22 JA 1/10W
	403 222 1303	CERAMIC 1000P K 1K	R631	402 082 0303	WIRE WOUND 1.5 JA 7W
C633	403 165 6007	CERAMIC 1000P K 1K	R632	402 082 0303	WIRE WOUND 1.5 JA 7W
	403 222 1303	CERAMIC 1000P K 1K	R633	401 068 1501	OXIDE-MT 4.7 JA 2W
C634	403 146 5500	ELECT 2.2U M 450V	R634	401 263 0101	MT-GLAZE 100K JA 1W
C636	403 070 0909	CERAMIC 0.1U K 50V	R636	401 263 0101	MT-GLAZE 100K JA 1W
C637	403 180 4101	MT-POLYEST 0.1U K 630V	R637	401 263 0101	MT-GLAZE 100K JA 1W
C638	403 107 9509	ELECT 100U M 10V	R638	401 263 0101	MT-GLAZE 100K JA 1W
C639	404 053 8103	ELECT 220U M 250V	R641	401 069 4402	OXIDE-MT 68K JA 2W
C641	404 053 8103	ELECT 220U M 250V	R642	401 069 4402	OXIDE-MT 68K JA 2W
C643	403 156 9000	ELECT 2.2U M 50V	△ R643	402 079 7803	FUSIBLE RES 22 JH 1/4W
C644	403 237 7901	MT-COMPO 0.22U J 50V	R644	401 238 4509	MT-GLAZE 47 JA 1/3W
C646	403 069 1702	CERAMIC 1000P K 50V	R646	401 037 5400	MT-GLAZE 1K JA 1/10W
C647	403 165 8803	CERAMIC 330P K 2K	R647	401 260 4201	MT-GLAZE 82 JA 1/3W
C648	403 070 2606	CERAMIC 0.1U Z 50V	R648	401 037 5608	MT-GLAZE 10K JA 1/10W
C649	403 167 8603	CERAMIC 220P K 2K	R649	401 037 5400	MT-GLAZE 1K JA 1/10W
C651	403 074 9502	CERAMIC 680P K 50V	R651	402 080 7908	MT-GLAZE 180 KA 1W
C652	403 156 8805	ELECT 1U M 50V	R653	401 038 3504	MT-GLAZE 330 JA 1/10W
C653	403 148 1807	ELECT 220U M 35V	R654	401 037 5202	MT-GLAZE 100 JA 1/10W
C654	403 070 2606	CERAMIC 0.1U Z 50V	R655	401 037 7909	MT-GLAZE 1.5K JA 1/10W
C656	403 333 3500	POLYPRO 0.022U J 630V	R657	401 038 6604	MT-GLAZE 470K JA 1/10W
C657	403 070 2606	CERAMIC 0.1U Z 50V	R658	401 037 9408	MT-GLAZE 180K JA 1/10W
C661	403 148 0701	ELECT 2200U M 25V	R659	401 148 2701	MT-GLAZE 1.1K FA 1/10W
	403 313 6002	ELECT 2200U M 25V	R660	401 092 3304	MT-GLAZE 1.2K FA 1/10W
C662	403 148 0701	ELECT 2200U M 25V	R661	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
	403 313 6002	ELECT 2200U M 25V	△ R662	402 079 7704	FUSIBLE RES 1.0 JH 1/4W
C663	403 126 4806	ELECT 3300U M 10V	R663	401 037 5608	MT-GLAZE 10K JA 1/10W
	403 313 6408	ELECT 3300U M 10V	R664	401 038 7601	MT-GLAZE 560 JA 1/10W
C664	403 126 4806	ELECT 3300U M 10V	R666	401 037 5103	MT-GLAZE 10 JA 1/10W
	403 313 6408	ELECT 3300U M 10V	R667	401 037 5400	MT-GLAZE 1K JA 1/10W
C666	403 070 2606	CERAMIC 0.1U Z 50V	R668	401 258 4404	MT-GLAZE 5.6 JA 1/3W
C667	403 070 2606	CERAMIC 0.1U Z 50V	R669	401 258 4404	MT-GLAZE 5.6 JA 1/3W
C668	403 148 0404	ELECT 1000U M 25V	R671	401 037 5400	MT-GLAZE 1K JA 1/10W
	403 301 7103	ELECT 1000U M 25V	R672	401 037 5400	MT-GLAZE 1K JA 1/10W
C669	403 155 5607	ELECT 220U M 10V	R673	401 037 5400	MT-GLAZE 1K JA 1/10W
C671	403 156 9208	ELECT 4.7U M 50V	R674	401 037 5400	MT-GLAZE 1K JA 1/10W
C672	403 148 0305	ELECT 470U M 16V			
RESISTOR					
△ RL601	645 028 1310	RELAY	VR661	645 002 3538	VR, SEMI, 4.7K S
	645 028 1303	RELAY	VR662	645 002 3521	VR, SEMI, 470 S
△ RL602	645 028 1310	RELAY	VR671	645 002 3460	VR, SEMI, 1K S
	645 028 1303	RELAY			
R606	402 080 7809	MT-GLAZE 150 KA 1W	VARIABLE RESISTOR		
R607	401 166 0802	MT-GLAZE 330 JA 1/2W			
R608	402 078 5701	WIRE WOUND 3.9 JA 7W			
R609	401 237 0007	MT-GLAZE 47K JA 1W	TRANSFORMER		
R611	401 237 0007	MT-GLAZE 47K JA 1W	△ TSW601	645 017 3691	SWITCH, THERMAL
R612	401 237 0007	MT-GLAZE 47K JA 1W	TSW601B	411 047 0104	SCR PAN+SW+W 3X8
R613	401 237 0007	MT-GLAZE 47K JA 1W	TSW601H	645 028 4960	HEAT SINK
R614	402 079 4703	RESISTER 0.1JA 5W	△ T601	645 028 0634	INDUCTOR, 800U
R616	402 079 4703	RESISTER 0.1JA 5W	△ T631	645 028 0641	TRANS, POWER, PULSE
R617	401 038 5508	MT-GLAZE 4.7 JA 1/10W	COIL		
R618	401 038 5508	MT-GLAZE 4.7 JA 1/10W	△ L604	645 030 7676	LINE FILTER
R619	401 242 3901	MT-GLAZE 240K JA 1/2W	△ L605	645 025 7827	LINE FILTER
R621	401 242 3901	MT-GLAZE 240K JA 1/2W	DIODE		
R622	401 259 9002	MT-GLAZE 150K FA 1/2W	DB601	407 143 6003	DIODE RBV-1506
	401 260 0500	MT-GLAZE 150K FD 1/2W	DB631	407 161 8300	DIODE RBV-408 LF-B
R623	401 259 9002	MT-GLAZE 150K FA 1/2W		407 141 1000	DIODE RBV-408
	401 260 0500	MT-GLAZE 150K FD 1/2W	DS601	407 175 2400	THYRISTOR CR12AM-12
R624	401 259 9002	MT-GLAZE 150K FA 1/2W	DZ601	407 125 5307	ZENER DIODE RD27M-T1BB
	401 260 0500	MT-GLAZE 150K FD 1/2W		407 140 0608	ZENER DIODE 02CZ27-TE85L
R626	401 259 9002	MT-GLAZE 150K FA 1/2W	DZ631	407 071 0104	ZENER DIODE DZD12Y-TA
	401 260 0500	MT-GLAZE 150K FD 1/2W		407 175 2806	ZD 02CZ12Y(TE85R)
R627	401 037 5202	MT-GLAZE 100 JA 1/10W	DZ661	407 198 6607	ZD 02CZ6.8Z(TE85R)
R628	401 038 0800	MT-GLAZE 22K JA 1/10W		407 071 7806	ZENER DIODE DZD6.8Z-TB
R629	401 038 3801	MT-GLAZE 330K JA 1/10W	D601	407 190 4106	DIODE SFPL-52V
			D602	407 190 4106	DIODE SFPL-52V
			D603	407 174 2302	DIODE AK06
			D604	407 174 2302	DIODE AK06
			D606	407 174 0308	DIODE FML-36S

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
D621	407 004 1000	DIODE DCC010-TB	R696	401 066 9004	OXIDE-MT 27 JA 2W
D622	407 004 1000	DIODE DCC010-TB	R697	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
D631	407 009 6901	DIODE RM11C	VARIABLE RESISTOR		
D632	407 190 4106	DIODE SFPL-52V	VR681	645 002 3538	VR, SEMI, 4.7K S
D633	407 100 6909	DIODE AG01	COIL		
D635	407 009 6901	DIODE RM11C	L681	645 007 7968	INDUCTOR, 10U M
D636	407 009 6901	DIODE RM11C	L682	645 028 0627	INDUCTOR, 300U
D661	407 202 9808	DIODE FMB-26L	DIODE		
D662	407 164 2206	DIODE FMB-24L	D681	407 004 0706	DIODE DCB015-TB
D663	407 190 4106	DIODE SFPL-52V	D682	407 004 0706	DIODE DCB015-TB
D664	407 004 0706	DIODE DCB015-TB	D683	407 207 3801	DIODE RK46 LF-J2
D666	407 004 0706	DIODE DCB015-TB		407 148 4806	DIODE RK46 LF-J3
MISCELLANEOUS			D684	407 004 0706	DIODE DCB015-TB
FB601	610 229 3531	CORE	D691	407 042 7309	LED TLR144
FB602	610 229 3531	CORE	D691A	645 015 9510	SPACER
△ PC601	408 014 9703	PC CNY17F-3OPT1+6	610 278 8389ASSY,PWB,LINE FLITER		
	408 016 8803	PC PC113 (VDE0884)	M6VA1AA0B10C221A0		
△ PC602	408 014 9703	PC CNY17F-3OPT1+6	CAPACITOR		
	408 016 8803	PC PC113 (VDE0884)	△ C601	404 071 2503	MT-POLYEST 0.47U K 250V
△ PC603	408 014 9703	PC CNY17F-3OPT1+6	△ C603	404 071 2503	MT-POLYEST 0.47U K 250V
	408 016 8803	PC PC113 (VDE0884)	△ C604	404 060 6505	CERAMIC 2200P M 400V
			△ C605	404 060 6505	CERAMIC 2200P M 400V
			△ C606	404 060 6505	CERAMIC 2200P M 400V
			△ C607	404 060 6505	CERAMIC 2200P M 400V
610 282 9808ASSY,PWB,SUB POWER M6VAA			RESISTOR		
1AA0B10C221AC			△ R601	401 008 8607	CARBON 220K JA 1/2W
TRANSISTOR			VARIABLE RESISTOR		
Q681	405 014 4509	TR 2SC2412K T146 R	VA601	407 130 2902	VARISTOR ENC471D-14A
Q682	405 014 4509	TR 2SC2412K T146 R	COIL		
Q683	405 014 4509	TR 2SC2412K T146 R	△ L601	645 028 5929	LINE FILTER
INTEGRATED CIRCUIT			△ L602	645 028 5929	LINE FILTER
IC681	410 312 9309	IC SI-8090S LF1113	△ L603	645 028 5929	LINE FILTER
CAPACITOR			610 281 0004ASSY,PWB,MAIN ME6A		
C681	403 126 4509	ELECT 100U M 16V	1AA0B10C23300		
C682	403 126 4509	ELECT 100U M 16V	TRANSISTOR		
C683	403 126 4509	ELECT 100U M 16V	Q101	405 014 4509	TR 2SC2412K T146 R
C684	403 148 0107	ELECT 1000U M 16V	Q1101	405 014 4509	TR 2SC2412K T146 R
	403 301 2405	ELECT 1000U M 16V	Q1181	405 014 4509	TR 2SC2412K T146 R
C687	403 148 0107	ELECT 1000U M 16V	Q1182	405 014 4509	TR 2SC2412K T146 R
	403 301 2405	ELECT 1000U M 16V	Q1183	405 014 4509	TR 2SC2412K T146 R
C688	403 070 2606	CERAMIC 0.1U Z 50V	Q1201	405 014 4509	TR 2SC2412K T146 R
C689	403 148 0701	ELECT 2200U M 25V	Q121	405 014 4509	TR 2SC2412K T146 R
	403 313 6002	ELECT 2200U M 25V	Q1360	405 047 4606	TR 2SC3650-TD
C691	403 070 2606	CERAMIC 0.1U Z 50V	Q1371	405 134 5905	TR 2SA1037AK-T146-R
C692	403 147 9606	ELECT 1000U M 10V	Q1372	405 134 5905	TR 2SA1037AK-T146-R
C693	403 070 2606	CERAMIC 0.1U Z 50V	Q1373	405 134 5905	TR 2SA1037AK-T146-R
C694	403 070 2606	CERAMIC 0.1U Z 50V	Q1441	405 014 4509	TR 2SC2412K T146 R
C696	403 119 8002	ELECT 470U M 25V	Q1451	405 014 4509	TR 2SC2412K T146 R
RESISTOR			Q161	405 014 4509	TR 2SC2412K T146 R
R681	401 037 5608	MT-GLAZE 10K JA 1/10W	Q162	405 014 4509	TR 2SC2412K T146 R
R682	401 203 1106	MT-GLAZE 8.2 JA 1W	Q163	405 134 5905	TR 2SA1037AK-T146-R
R682A	401 203 1106	MT-GLAZE 8.2 JA 1W	Q171	405 014 4509	TR 2SC2412K T146 R
R683	401 037 5608	MT-GLAZE 10K JA 1/10W	Q1874	405 134 5905	TR 2SA1037AK-T146-R
R684	401 259 1501	MT-GLAZE 2.2 JA 1/3W	Q1875	405 014 4509	TR 2SC2412K T146 R
R684A	401 259 1501	MT-GLAZE 2.2 JA 1/3W	Q1891	405 014 4509	TR 2SC2412K T146 R
R686	401 037 5608	MT-GLAZE 10K JA 1/10W	Q191	405 014 4509	TR 2SC2412K T146 R
R687	401 259 1501	MT-GLAZE 2.2 JA 1/3W			
R689	401 035 4108	MT-GLAZE 0.000 ZA 1/8W			
R691	401 037 5400	MT-GLAZE 1K JA 1/10W			
R692	401 037 5400	MT-GLAZE 1K JA 1/10W			
R693	401 037 5608	MT-GLAZE 10K JA 1/10W			
R694	401 037 5400	MT-GLAZE 1K JA 1/10W			
R695	401 037 5400	MT-GLAZE 1K JA 1/10W			

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q271	405 014 4509	TR 2SC2412K T146 R	IC241	409 357 6602	IC LT1260CS
Q3811	405 014 4509	TR 2SC2412K T146 R	IC301	410 329 4403	IC UPD82342N7-001-H6
Q4301	405 014 4509	TR 2SC2412K T146 R	IC302	410 325 4605	IC TC74LCX244FT
Q491	405 047 4606	TR 2SC3650-TD		410 325 4704	IC HD74LVC244AT
Q492	405 002 8304	TR 2SA1203-Y-TE12L	IC3201	410 319 4208	IC MB81G163222-80TQ
INTEGRATED CIRCUIT			IC3211	410 319 4208	IC MB81G163222-80TQ
IC101	409 464 6908	IC VPC3215C/B8	IC3221	410 319 4208	IC MB81G163222-80TQ
IC102	409 444 3804	IC CIP3250A/B1	IC3241	410 335 5708	IC HD74ALVCH16374T
IC103	410 325 4605	IC TC74LCX244FT	IC3251	410 335 5708	IC HD74ALVCH16374T
	410 325 4704	IC HD74LVC244AT	IC3301	409 428 7101	IC AV9155C
IC104	410 337 0503	IC TC74LCX14FT	IC3321	409 428 7101	IC AV9155C
	410 337 0602	IC HD74LVC14T	IC3341	409 428 7606	IC MPC948FA
IC105	409 211 7301	IC MC14053BFL	IC3361	409 428 7507	IC MC74LCX04DT
	409 051 2900	IC TC4053BF-TP1		409 429 2808	IC TC74LCX04FT-(EL)
IC106	409 350 3400	IC LT1253CS8		410 356 7804	IC SN74LVC04APWR
IC107	409 350 3400	IC LT1253CS8	IC3801	409 468 8908	IC ML60851CTB
IC1101	410 347 5109	IC LC98500BT-RF4	IC3802	409 445 7306	IC QS3125QX
IC1102	410 332 2601	IC MSM56V16160D-10TS-K	IC3803	409 443 9609	IC MC74HC32ADT
IC1103	409 428 7507	IC MC74LCX04DT	IC3804	409 443 9609	IC MC74HC32ADT
	409 429 2808	IC TC74LCX04FT-(EL)	IC3805	409 330 2508	IC TC7SH04FU-(TE85L)
	410 356 7804	IC SN74LVC04APWR		410 356 7606	IC SN74AHC1G04HDCR
IC1104	409 444 8700	IC ICS1523M-ER	IC401	409 464 9909	IC CXD2467AQ
IC1111	409 429 6400	IC AD8055ART	IC403	410 325 4605	IC TC74LCX244FT
IC1112	409 429 6400	IC AD8055ART		410 325 4704	IC HD74LVC244AT
IC1113	409 429 6400	IC AD8055ART	IC404	410 325 4605	IC TC74LCX244FT
IC1181	410 308 6404	IC MB40988PFQ-G-MSBND		410 325 4704	IC HD74LVC244AT
IC1201	409 444 8700	IC ICS1523M-ER	IC405	410 325 4605	IC TC74LCX244FT
IC1221	410 325 4605	IC TC74LCX244FT		410 325 4704	IC HD74LVC244AT
	410 325 4704	IC HD74LVC244AT	IC406	410 311 5708	IC MC74HCT244ADT
IC1271	409 444 8700	IC ICS1523M-ER		410 315 5506	IC HD74HCT244TV
IC1272	410 325 4605	IC TC74LCX244FT		410 356 7507	IC SN74HCT244PWR
	410 325 4704	IC HD74LVC244AT	IC407	410 311 5708	IC MC74HCT244ADT
IC1273	409 330 2508	IC TC7SH04FU-(TE85L)		410 315 5506	IC HD74HCT244TV
	410 356 7606	IC SN74AHC1G04HDCR		410 356 7507	IC SN74HCT244PWR
IC1301	409 431 6009	IC MC74VHC14DT	IC4201	410 333 7209	IC AD9054ABST-135
	410 356 8009	IC SN74LV14APWR	IC4221	410 333 7209	IC AD9054ABST-135
IC1351	410 333 8404	IC MB40950PFQ-G-MSBND	IC4241	410 333 7209	IC AD9054ABST-135
IC1352	409 429 6400	IC AD8055ART	IC4301	409 448 0007	IC LC24049A-PK3
IC1353	409 429 6400	IC AD8055ART	IC4302	410 320 0404	IC MC74LCX16374DT
IC1354	409 429 6400	IC AD8055ART		410 321 8508	IC TC74LCX16374AFT
IC1361	410 333 8404	IC MB40950PFQ-G-MSBND		410 356 7705	IC SN74LVCH16374ADGG
IC1362	409 429 6400	IC AD8055ART	IC4303	410 320 0404	IC MC74LCX16374DT
IC1363	409 429 6400	IC AD8055ART		410 321 8508	IC TC74LCX16374AFT
IC1364	409 429 6400	IC AD8055ART		410 356 7705	IC SN74LVCH16374ADGG
IC1401	409 326 3007	IC M62358FP	IC4801	410 352 0700	IC EPF10K30AQC208-3
IC1411	409 458 3401	IC M62393FP	IC4802	410 342 3506	IC EPC1441LC20B483
IC1441	409 241 9405	IC L88MS05T-TL	IC4901	410 352 0601	IC EPF10K30ATC144-3
IC1451	409 241 9405	IC L88MS05T-TL	IC491	409 142 2000	IC LA6358NM-TP-T1
IC1461	409 460 8302	IC CXD3503R	IC4951	410 352 0502	IC EPC1441LC20
IC1501	409 419 2702	IC CXA2112R	IC501	409 419 2702	IC CXA2112R
IC1531	409 419 2702	IC CXA2112R	IC508	409 343 0201	IC LT1206CS8
IC1551	409 419 3709	IC MC10H351ML1	IC5201	410 333 7209	IC AD9054ABST-135
IC1561	409 419 2702	IC CXA2112R	IC5221	410 333 7209	IC AD9054ABST-135
IC1811	410 311 5708	IC MC74HCT244ADT	IC5241	410 333 7209	IC AD9054ABST-135
	410 315 5506	IC HD74HCT244TV	IC531	409 419 2702	IC CXA2112R
	410 356 7507	IC SN74HCT244PWR	IC551	409 211 7301	IC MC14053BFL
IC1821	410 325 4605	IC TC74LCX244FT		409 051 2900	IC TC4053BF-TP1
	410 325 4704	IC HD74LVC244AT	IC561	409 419 2702	IC CXA2112R
IC1832	409 410 1001	IC UPC2933T-E1	IC6201	410 336 5905	IC UPD67821
	409 416 6406	IC BA033FP-E2	IC6211	409 410 1001	IC UPC2933T-E1
IC201	409 429 6400	IC AD8055ART		409 416 6406	IC BA033FP-E2
IC202	409 429 6400	IC AD8055ART	IC801	410 352 4005	IC HD64F7045F28-B548
IC203	409 429 6400	IC AD8055ART	IC801A	410 313 2309	IC HD64F7045F28
IC221	409 357 6602	IC LT1260CS	IC802	409 344 1900	IC MN1382-Q-TX
IC2301	410 342 8808	IC MSM54V16258BSL-40TS-K	IC802A	410 322 6800	IC M5M29JB160AVP-10
IC2311	410 342 8808	IC MSM54V16258BSL-40TS-K	IC803	410 352 4104	IC M5M29JB160AVP-10-B549
			IC804	410 315 2802	IC QM5M51008BFPP

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
IC805	410 352 4302	IC QM5M51008BFPP-70L	C1185	403 164 0204	CERAMIC 0.1U Z 25V
	410 315 2802	IC QM5M51008BFPP	C1186	403 164 0204	CERAMIC 0.1U Z 25V
	410 352 4302	IC QM5M51008BFPP-70L	C1187	403 208 1402	TA-SOLID 1U M 25V
	409 339 3605	IC 24LC16BT/SN-T	C1188	403 164 0204	CERAMIC 0.1U Z 25V
IC806	409 339 3605	IC 24LC16BT/SN-T	C1189	401 105 5905	MT-GLAZE 560 JA 1/16W
IC807	409 339 3605	IC 24LC16BT/SN-T	C1190	401 105 5905	MT-GLAZE 560 JA 1/16W
IC809	409 403 6204	IC M66010GP	C1200	403 113 3805	CERAMIC 1000P K 50V
CAPACITOR					
C100	403 317 3908	CERAMIC 0.68U K 10V	C1201	403 280 0508	ELECT 470U M 4V
C101	403 280 0805	ELECT 330U M 6.3V	C1202	403 164 0204	CERAMIC 0.1U Z 25V
C102	403 164 0204	CERAMIC 0.1U Z 25V	C1203	403 175 3904	ELECT 10U M 25V
C103	403 280 0805	ELECT 330U M 6.3V	C1204	403 164 0204	CERAMIC 0.1U Z 25V
C104	403 164 0204	CERAMIC 0.1U Z 25V	C1205	403 175 3904	ELECT 10U M 25V
C105	403 280 0805	ELECT 330U M 6.3V	C1206	403 164 0204	CERAMIC 0.1U Z 25V
C106	403 157 1904	CERAMIC 10P D 50V	C1207	403 155 1609	CERAMIC 33P J 50V
C107	403 164 0204	CERAMIC 0.1U Z 25V	C1208	403 157 7302	CERAMIC 6800P K 50V
C108	403 157 1508	CERAMIC 3P C 50V	C121	403 280 0805	ELECT 330U M 6.3V
C109	403 280 0805	ELECT 330U M 6.3V	C1211	403 164 0204	CERAMIC 0.1U Z 25V
C110	403 164 0204	CERAMIC 0.1U Z 25V	C1212	403 164 0204	CERAMIC 0.1U Z 25V
C1101	403 157 3106	CERAMIC 56P J 50V	C1213	403 149 9208	CERAMIC 0.01U Z 50V
C1102	403 155 1609	CERAMIC 33P J 50V	C1214	403 175 3904	ELECT 10U M 25V
C1103	403 298 9609	CERAMIC 0.1U K 16V	C1215	403 113 3805	CERAMIC 1000P K 50V
C1105	403 298 9609	CERAMIC 0.1U K 16V	C122	403 164 0204	CERAMIC 0.1U Z 25V
C1106	403 164 0204	CERAMIC 0.1U Z 25V	C1221	403 113 3805	CERAMIC 1000P K 50V
C1107	403 280 1604	ELECT 220U M 16V	C1222	403 164 0204	CERAMIC 0.1U Z 25V
C111	403 164 0204	CERAMIC 0.1U Z 25V	C123	403 164 0204	CERAMIC 0.1U Z 25V
C1111	403 280 0805	ELECT 330U M 6.3V	C124	403 280 0805	ELECT 330U M 6.3V
C1112	403 164 0204	CERAMIC 0.1U Z 25V	C125	403 164 0204	CERAMIC 0.1U Z 25V
C1113	403 280 0805	ELECT 330U M 6.3V	C126	403 162 4709	ELECT 10U M 16V
C1114	403 164 0204	CERAMIC 0.1U Z 25V	C127	403 164 0204	CERAMIC 0.1U Z 25V
C1115	403 157 1904	CERAMIC 10P D 50V	C1270	403 113 3805	CERAMIC 1000P K 50V
C1116	403 157 1904	CERAMIC 10P D 50V	C1271	403 280 0508	ELECT 470U M 4V
C1117	403 157 1904	CERAMIC 10P D 50V	C1272	403 164 0204	CERAMIC 0.1U Z 25V
C112	403 280 0508	ELECT 470U M 4V	C1273	403 175 3904	ELECT 10U M 25V
C1120	403 164 0204	CERAMIC 0.1U Z 25V	C1274	403 164 0204	CERAMIC 0.1U Z 25V
C1121	403 280 0508	ELECT 470U M 4V	C1275	403 175 3904	ELECT 10U M 25V
C1122	403 164 0204	CERAMIC 0.1U Z 25V	C1276	403 164 0204	CERAMIC 0.1U Z 25V
C1123	403 164 0204	CERAMIC 0.1U Z 25V	C1277	403 155 2200	CERAMIC 3300P K 50V
C1124	403 164 0204	CERAMIC 0.1U Z 25V	C1278	403 155 1609	CERAMIC 33P J 50V
C1125	403 164 0204	CERAMIC 0.1U Z 25V	C128	403 325 6304	CERAMIC 0.22U K 10V
C1126	403 164 0204	CERAMIC 0.1U Z 25V	C1280	403 113 3805	CERAMIC 1000P K 50V
C1127	403 164 0204	CERAMIC 0.1U Z 25V	C1281	403 164 0204	CERAMIC 0.1U Z 25V
C1128	403 164 0204	CERAMIC 0.1U Z 25V	C1282	403 164 0204	CERAMIC 0.1U Z 25V
C1129	403 164 0204	CERAMIC 0.1U Z 25V	C1283	403 149 9208	CERAMIC 0.01U Z 50V
C113	403 164 0204	CERAMIC 0.1U Z 25V	C1284	403 175 3904	ELECT 10U M 25V
C1131	403 164 0204	CERAMIC 0.1U Z 25V	C1285	403 164 0204	CERAMIC 0.1U Z 25V
C1141	403 280 0508	ELECT 470U M 4V	C1286	403 113 3805	CERAMIC 1000P K 50V
C1142	403 164 0204	CERAMIC 0.1U Z 25V	C129	403 325 6304	CERAMIC 0.22U K 10V
C1145	403 164 0204	CERAMIC 0.1U Z 25V	C1304	403 164 0204	CERAMIC 0.1U Z 25V
C1146	403 164 0204	CERAMIC 0.1U Z 25V	C131	403 325 6304	CERAMIC 0.22U K 10V
C1147	403 164 0204	CERAMIC 0.1U Z 25V	C1350	403 113 3805	CERAMIC 1000P K 50V
C1148	403 113 3805	CERAMIC 1000P K 50V	C1351	403 280 0805	ELECT 330U M 6.3V
C1149	403 113 3805	CERAMIC 1000P K 50V	C1352	403 164 0204	CERAMIC 0.1U Z 25V
C115	401 105 6001	MT-GLAZE 5.6K JA 1/16W	C1353	403 280 0805	ELECT 330U M 6.3V
C1150	403 113 3805	CERAMIC 1000P K 50V	C1354	403 164 0204	CERAMIC 0.1U Z 25V
C1160	403 280 0508	ELECT 470U M 4V	C1355	403 175 0804	ELECT 10U M 50V
C1161	403 164 0204	CERAMIC 0.1U Z 25V	C1356	403 164 0204	CERAMIC 0.1U Z 25V
C1162	403 164 0204	CERAMIC 0.1U Z 25V	C1357	403 157 1904	CERAMIC 10P D 50V
C1163	403 164 0204	CERAMIC 0.1U Z 25V	C1358	403 157 1904	CERAMIC 10P D 50V
C1164	403 164 0204	CERAMIC 0.1U Z 25V	C1359	403 157 1904	CERAMIC 10P D 50V
C1165	403 164 0204	CERAMIC 0.1U Z 25V	C136	403 164 0204	CERAMIC 0.1U Z 25V
C1166	403 164 0204	CERAMIC 0.1U Z 25V	C1360	403 113 3805	CERAMIC 1000P K 50V
C1180	401 105 5905	MT-GLAZE 560 JA 1/16W	C1361	403 280 0805	ELECT 330U M 6.3V
C1181	403 164 0204	CERAMIC 0.1U Z 25V	C1362	403 164 0204	CERAMIC 0.1U Z 25V
C1182	403 280 0805	ELECT 330U M 6.3V	C1363	403 164 0204	CERAMIC 0.1U Z 25V
C1183	403 164 0204	CERAMIC 0.1U Z 25V	C1364	403 280 0805	ELECT 330U M 6.3V
C1184	403 164 0204	CERAMIC 0.1U Z 25V	C1365	403 175 0804	ELECT 10U M 50V
			C1366	403 164 0204	CERAMIC 0.1U Z 25V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C1367	403 157 1904	CERAMIC 10P D 50V	C1556	403 164 0204	CERAMIC 0.1U Z 25V
C1368	403 157 1904	CERAMIC 10P D 50V	C1557	403 113 3805	CERAMIC 1000P K 50V
C1369	403 157 1904	CERAMIC 10P D 50V	C156	403 164 0204	CERAMIC 0.1U Z 25V
C137	403 280 0508	ELECT 470U M 4V	C1560	403 316 1400	CERAMIC 560P J 25V
C1370	403 280 1604	ELECT 220U M 16V	C1562	403 164 0204	CERAMIC 0.1U Z 25V
C1373	403 164 0204	CERAMIC 0.1U Z 25V	C1563	403 164 0204	CERAMIC 0.1U Z 25V
C1374	403 280 1604	ELECT 220U M 16V	C1564	403 164 0204	CERAMIC 0.1U Z 25V
C1376	403 157 1904	CERAMIC 10P D 50V	C1565	403 164 0204	CERAMIC 0.1U Z 25V
C1377	403 157 1904	CERAMIC 10P D 50V	C1566	403 280 1604	ELECT 220U M 16V
C1385	403 157 1904	CERAMIC 10P D 50V	C1567	403 280 0805	ELECT 330U M 6.3V
C1393	403 164 0204	CERAMIC 0.1U Z 25V	C1569	403 164 0204	CERAMIC 0.1U Z 25V
C1394	403 280 1604	ELECT 220U M 16V	C157	403 164 0204	CERAMIC 0.1U Z 25V
C1395	403 157 1904	CERAMIC 10P D 50V	C1570	403 162 4709	ELECT 10U M 16V
C1396	403 157 1904	CERAMIC 10P D 50V	C163	403 266 8900	NP-ELECT 22U M 16V
C1397	403 157 1904	CERAMIC 10P D 50V	C164	403 208 1402	TA-SOLID 1U M 25V
C140	403 113 3805	CERAMIC 1000P K 50V	C165	403 139 7504	CERAMIC 39P J 50V
C1401	403 280 0805	ELECT 330U M 6.3V	C166	403 317 3908	CERAMIC 0.68U K 10V
C1402	403 164 0204	CERAMIC 0.1U Z 25V	C171	403 155 4204	CERAMIC 15P J 50V
C1403	403 280 0805	ELECT 330U M 6.3V	C172	403 157 3106	CERAMIC 56P J 50V
C1404	403 164 0204	CERAMIC 0.1U Z 25V	C173	403 155 4204	CERAMIC 15P J 50V
C141	403 164 0204	CERAMIC 0.1U Z 25V	C174	403 266 8900	NP-ELECT 22U M 16V
C1411	403 164 0204	CERAMIC 0.1U Z 25V	C175	403 157 1904	CERAMIC 10P D 50V
C1412	403 113 3805	CERAMIC 1000P K 50V	C177	403 164 0204	CERAMIC 0.1U Z 25V
C1413	403 280 0805	ELECT 330U M 6.3V	C178	403 280 1604	ELECT 220U M 16V
C1415	403 164 0204	CERAMIC 0.1U Z 25V	C1811	403 164 0204	CERAMIC 0.1U Z 25V
C142	403 280 0508	ELECT 470U M 4V	C1821	403 164 0204	CERAMIC 0.1U Z 25V
C1441	403 280 0805	ELECT 330U M 6.3V	C1832	403 280 0508	ELECT 470U M 4V
C1442	403 280 0805	ELECT 330U M 6.3V	C1833	403 164 0204	CERAMIC 0.1U Z 25V
C1443	403 164 0204	CERAMIC 0.1U Z 25V	C1891	403 164 0204	CERAMIC 0.1U Z 25V
C1451	403 280 0805	ELECT 330U M 6.3V	C1892	403 164 0204	CERAMIC 0.1U Z 25V
C1452	403 280 0805	ELECT 330U M 6.3V	C1895	403 164 0204	CERAMIC 0.1U Z 25V
C1453	403 164 0204	CERAMIC 0.1U Z 25V	C1896	403 164 0204	CERAMIC 0.1U Z 25V
C1461	403 280 0607	ELECT 220U M 6.3V	C1897	403 164 0204	CERAMIC 0.1U Z 25V
C1462	403 164 0204	CERAMIC 0.1U Z 25V	C191	403 155 4204	CERAMIC 15P J 50V
C1463	403 164 0204	CERAMIC 0.1U Z 25V	C192	403 157 3106	CERAMIC 56P J 50V
C1464	403 164 0204	CERAMIC 0.1U Z 25V	C193	403 155 4204	CERAMIC 15P J 50V
C1465	403 164 0204	CERAMIC 0.1U Z 25V	C194	403 266 8900	NP-ELECT 22U M 16V
C1466	403 280 0607	ELECT 220U M 6.3V	C195	403 157 1904	CERAMIC 10P D 50V
C1467	403 164 0204	CERAMIC 0.1U Z 25V	C201	403 280 0805	ELECT 330U M 6.3V
C1468	403 164 0204	CERAMIC 0.1U Z 25V	C202	403 164 0204	CERAMIC 0.1U Z 25V
C1473	403 162 4709	ELECT 10U M 16V	C203	403 280 0805	ELECT 330U M 6.3V
C150	403 113 3805	CERAMIC 1000P K 50V	C204	403 164 0204	CERAMIC 0.1U Z 25V
C1500	403 316 1400	CERAMIC 560P J 25V	C205	403 157 1904	CERAMIC 10P D 50V
C1502	403 164 0204	CERAMIC 0.1U Z 25V	C206	403 157 1904	CERAMIC 10P D 50V
C1503	403 164 0204	CERAMIC 0.1U Z 25V	C207	403 157 1904	CERAMIC 10P D 50V
C1504	403 164 0204	CERAMIC 0.1U Z 25V	C211	403 267 0804	NP-ELECT 47U M 6.3V
C1505	403 164 0204	CERAMIC 0.1U Z 25V	C212	403 267 0804	NP-ELECT 47U M 6.3V
C1506	403 280 1604	ELECT 220U M 16V	C213	403 267 0804	NP-ELECT 47U M 6.3V
C1507	403 164 0204	CERAMIC 0.1U Z 25V	C214	403 267 0804	NP-ELECT 47U M 6.3V
C1508	403 280 0805	ELECT 330U M 6.3V	C215	403 267 0804	NP-ELECT 47U M 6.3V
C1509	403 162 4709	ELECT 10U M 16V	C216	403 267 0804	NP-ELECT 47U M 6.3V
C151	403 164 0204	CERAMIC 0.1U Z 25V	C221	403 164 0204	CERAMIC 0.1U Z 25V
C1532	403 316 1400	CERAMIC 560P J 25V	C222	403 164 0204	CERAMIC 0.1U Z 25V
C1533	403 164 0204	CERAMIC 0.1U Z 25V	C223	403 164 0204	CERAMIC 0.1U Z 25V
C1534	403 164 0204	CERAMIC 0.1U Z 25V	C224	403 164 0204	CERAMIC 0.1U Z 25V
C1535	403 164 0204	CERAMIC 0.1U Z 25V	C225	403 280 1604	ELECT 220U M 16V
C1536	403 280 1604	ELECT 220U M 16V	C226	403 280 0805	ELECT 330U M 6.3V
C1537	403 164 0204	CERAMIC 0.1U Z 25V	C227	403 164 0204	CERAMIC 0.1U Z 25V
C1538	403 164 0204	CERAMIC 0.1U Z 25V	C2301	403 164 0204	CERAMIC 0.1U Z 25V
C1539	403 280 0805	ELECT 330U M 6.3V	C2302	403 164 0204	CERAMIC 0.1U Z 25V
C1540	403 162 4709	ELECT 10U M 16V	C2303	403 164 0204	CERAMIC 0.1U Z 25V
C155	403 280 0805	ELECT 330U M 6.3V	C2304	403 113 3805	CERAMIC 1000P K 50V
C1551	403 164 0204	CERAMIC 0.1U Z 25V	C2305	403 113 3805	CERAMIC 1000P K 50V
C1552	403 280 0805	ELECT 330U M 6.3V	C2311	403 164 0204	CERAMIC 0.1U Z 25V
C1553	403 113 3805	CERAMIC 1000P K 50V	C2312	403 164 0204	CERAMIC 0.1U Z 25V
C1554	403 113 3805	CERAMIC 1000P K 50V	C2313	403 164 0204	CERAMIC 0.1U Z 25V
C1555	403 113 3805	CERAMIC 1000P K 50V	C2314	403 113 3805	CERAMIC 1000P K 50V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C2315	403 113 3805	CERAMIC 1000P K 50V	C3223	403 164 0204	CERAMIC 0.1U Z 25V
C241	403 164 0204	CERAMIC 0.1U Z 25V	C3224	403 113 3805	CERAMIC 1000P K 50V
C242	403 164 0204	CERAMIC 0.1U Z 25V	C3225	403 164 0204	CERAMIC 0.1U Z 25V
C243	403 164 0204	CERAMIC 0.1U Z 25V	C3226	403 164 0204	CERAMIC 0.1U Z 25V
C244	403 164 0204	CERAMIC 0.1U Z 25V	C3227	403 164 0204	CERAMIC 0.1U Z 25V
C245	403 229 3508	ELECT 100U M 16V	C3228	403 164 0204	CERAMIC 0.1U Z 25V
C246	403 280 0805	ELECT 330U M 6.3V	C3229	403 113 3805	CERAMIC 1000P K 50V
C247	403 164 0204	CERAMIC 0.1U Z 25V	C323	403 164 0204	CERAMIC 0.1U Z 25V
C2500	403 164 0204	CERAMIC 0.1U Z 25V	C3230	403 113 3805	CERAMIC 1000P K 50V
C2501	403 280 1604	ELECT 220U M 16V	C3231	403 164 0204	CERAMIC 0.1U Z 25V
C2504	403 280 1604	ELECT 220U M 16V	C3232	403 164 0204	CERAMIC 0.1U Z 25V
C2505	403 164 0204	CERAMIC 0.1U Z 25V	C3233	403 113 3805	CERAMIC 1000P K 50V
C2511	403 164 0204	CERAMIC 0.1U Z 25V	C3235	403 113 3805	CERAMIC 1000P K 50V
C2512	403 164 0204	CERAMIC 0.1U Z 25V	C3236	403 113 3805	CERAMIC 1000P K 50V
C2513	403 164 0204	CERAMIC 0.1U Z 25V	C3237	403 113 3805	CERAMIC 1000P K 50V
C2514	403 175 4109	ELECT 22U M 16V	C3239	403 113 3805	CERAMIC 1000P K 50V
C2531	403 164 0204	CERAMIC 0.1U Z 25V	C324	403 113 3805	CERAMIC 1000P K 50V
C2532	403 164 0204	CERAMIC 0.1U Z 25V	C3240	403 113 3805	CERAMIC 1000P K 50V
C2533	403 164 0204	CERAMIC 0.1U Z 25V	C3242	403 164 0204	CERAMIC 0.1U Z 25V
C2534	403 175 4109	ELECT 22U M 16V	C3244	403 164 0204	CERAMIC 0.1U Z 25V
C2551	403 175 4109	ELECT 22U M 16V	C3245	403 164 0204	CERAMIC 0.1U Z 25V
C2552	403 164 0204	CERAMIC 0.1U Z 25V	C3246	403 164 0204	CERAMIC 0.1U Z 25V
C2553	403 164 0204	CERAMIC 0.1U Z 25V	C3247	403 164 0204	CERAMIC 0.1U Z 25V
C2554	403 164 0204	CERAMIC 0.1U Z 25V	C3248	403 164 0204	CERAMIC 0.1U Z 25V
C301	403 280 0508	ELECT 470U M 4V	C3249	403 113 3805	CERAMIC 1000P K 50V
C302	403 164 0204	CERAMIC 0.1U Z 25V	C325	403 164 0204	CERAMIC 0.1U Z 25V
C303	403 164 0204	CERAMIC 0.1U Z 25V	C3250	403 113 3805	CERAMIC 1000P K 50V
C304	403 164 0204	CERAMIC 0.1U Z 25V	C3252	403 164 0204	CERAMIC 0.1U Z 25V
C3046	403 164 0204	CERAMIC 0.1U Z 25V	C3253	403 164 0204	CERAMIC 0.1U Z 25V
C3047	403 113 3805	CERAMIC 1000P K 50V	C3254	403 164 0204	CERAMIC 0.1U Z 25V
C3048	403 164 0204	CERAMIC 0.1U Z 25V	C3255	403 164 0204	CERAMIC 0.1U Z 25V
C3049	403 164 0204	CERAMIC 0.1U Z 25V	C3256	403 164 0204	CERAMIC 0.1U Z 25V
C305	403 113 3805	CERAMIC 1000P K 50V	C3257	403 113 3805	CERAMIC 1000P K 50V
C306	403 164 0204	CERAMIC 0.1U Z 25V	C3258	403 113 3805	CERAMIC 1000P K 50V
C307	403 164 0204	CERAMIC 0.1U Z 25V	C3259	403 113 3805	CERAMIC 1000P K 50V
C308	403 113 3805	CERAMIC 1000P K 50V	C326	403 113 3805	CERAMIC 1000P K 50V
C309	403 164 0204	CERAMIC 0.1U Z 25V	C3260	403 113 3805	CERAMIC 1000P K 50V
C311	403 164 0204	CERAMIC 0.1U Z 25V	C327	403 164 0204	CERAMIC 0.1U Z 25V
C312	403 164 0204	CERAMIC 0.1U Z 25V	C3270	403 113 3805	CERAMIC 1000P K 50V
C313	403 113 3805	CERAMIC 1000P K 50V	C328	403 113 3805	CERAMIC 1000P K 50V
C314	403 164 0204	CERAMIC 0.1U Z 25V	C329	403 164 0204	CERAMIC 0.1U Z 25V
C315	403 164 0204	CERAMIC 0.1U Z 25V	C3300	403 113 3805	CERAMIC 1000P K 50V
C316	403 113 3805	CERAMIC 1000P K 50V	C3301	403 164 0204	CERAMIC 0.1U Z 25V
C317	403 164 0204	CERAMIC 0.1U Z 25V	C3302	403 280 0508	ELECT 470U M 4V
C318	403 113 3805	CERAMIC 1000P K 50V	C3303	403 164 0204	CERAMIC 0.1U Z 25V
C319	403 164 0204	CERAMIC 0.1U Z 25V	C3304	403 164 0204	CERAMIC 0.1U Z 25V
C3201	403 164 0204	CERAMIC 0.1U Z 25V	C3305	403 164 0204	CERAMIC 0.1U Z 25V
C3202	403 280 0508	ELECT 470U M 4V	C331	403 113 3805	CERAMIC 1000P K 50V
C3203	403 164 0204	CERAMIC 0.1U Z 25V	C3310	403 113 3805	CERAMIC 1000P K 50V
C3204	403 113 3805	CERAMIC 1000P K 50V	C332	403 164 0204	CERAMIC 0.1U Z 25V
C3205	403 164 0204	CERAMIC 0.1U Z 25V	C3320	403 113 3805	CERAMIC 1000P K 50V
C3206	403 164 0204	CERAMIC 0.1U Z 25V	C3321	403 164 0204	CERAMIC 0.1U Z 25V
C321	403 113 3805	CERAMIC 1000P K 50V	C3322	403 164 0204	CERAMIC 0.1U Z 25V
C3210	403 164 0204	CERAMIC 0.1U Z 25V	C3324	403 164 0204	CERAMIC 0.1U Z 25V
C3211	403 164 0204	CERAMIC 0.1U Z 25V	C333	403 113 3805	CERAMIC 1000P K 50V
C3212	403 280 0508	ELECT 470U M 4V	C3330	403 113 3805	CERAMIC 1000P K 50V
C3213	403 164 0204	CERAMIC 0.1U Z 25V	C334	403 164 0204	CERAMIC 0.1U Z 25V
C3214	403 113 3805	CERAMIC 1000P K 50V	C3340	403 113 3805	CERAMIC 1000P K 50V
C3215	403 164 0204	CERAMIC 0.1U Z 25V	C3341	403 164 0204	CERAMIC 0.1U Z 25V
C3216	403 164 0204	CERAMIC 0.1U Z 25V	C3342	403 113 3805	CERAMIC 1000P K 50V
C3217	403 164 0204	CERAMIC 0.1U Z 25V	C3343	403 164 0204	CERAMIC 0.1U Z 25V
C3218	403 164 0204	CERAMIC 0.1U Z 25V	C3344	403 113 3805	CERAMIC 1000P K 50V
C3219	403 113 3805	CERAMIC 1000P K 50V	C3345	403 164 0204	CERAMIC 0.1U Z 25V
C322	403 280 0508	ELECT 470U M 4V	C3346	403 113 3805	CERAMIC 1000P K 50V
C3220	403 164 0204	CERAMIC 0.1U Z 25V	C3347	403 164 0204	CERAMIC 0.1U Z 25V
C3221	403 164 0204	CERAMIC 0.1U Z 25V	C335	403 113 3805	CERAMIC 1000P K 50V
C3222	403 280 0508	ELECT 470U M 4V	C336	403 164 0204	CERAMIC 0.1U Z 25V

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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C3361	403 164 0204	CERAMIC 0.1U Z 25V	C4245	403 164 0204	CERAMIC 0.1U Z 25V
C341	403 113 3805	CERAMIC 1000P K 50V	C425	403 113 3805	CERAMIC 1000P K 50V
C342	403 164 0204	CERAMIC 0.1U Z 25V	C4251	403 164 0204	CERAMIC 0.1U Z 25V
C3801	403 280 0805	ELECT 330U M 6.3V	C4252	403 113 3805	CERAMIC 1000P K 50V
C3802	403 164 0204	CERAMIC 0.1U Z 25V	C4253	403 113 3805	CERAMIC 1000P K 50V
C3803	403 153 9102	CERAMIC 5P C 50V	C4254	403 113 3805	CERAMIC 1000P K 50V
C3804	403 113 3805	CERAMIC 1000P K 50V	C4255	403 113 3805	CERAMIC 1000P K 50V
C3805	403 175 3904	ELECT 10U M 25V	C4256	403 164 0204	CERAMIC 0.1U Z 25V
C3806	403 164 0204	CERAMIC 0.1U Z 25V	C4257	403 164 0204	CERAMIC 0.1U Z 25V
C3807	403 280 0805	ELECT 330U M 6.3V	C426	403 113 3805	CERAMIC 1000P K 50V
C3808	403 280 0805	ELECT 330U M 6.3V	C427	403 113 3805	CERAMIC 1000P K 50V
C3809	403 164 0204	CERAMIC 0.1U Z 25V	C428	403 113 3805	CERAMIC 1000P K 50V
C3811	403 164 0204	CERAMIC 0.1U Z 25V	C430	403 164 0204	CERAMIC 0.1U Z 25V
C3812	403 280 0805	ELECT 330U M 6.3V	C4301	403 164 0204	CERAMIC 0.1U Z 25V
C3813	403 164 0204	CERAMIC 0.1U Z 25V	C4302	403 113 3805	CERAMIC 1000P K 50V
C3831	403 164 0204	CERAMIC 0.1U Z 25V	C4303	403 280 0805	ELECT 330U M 6.3V
C3835	403 164 0204	CERAMIC 0.1U Z 25V	C4304	403 164 0204	CERAMIC 0.1U Z 25V
C3851	403 164 0204	CERAMIC 0.1U Z 25V	C4305	403 113 3805	CERAMIC 1000P K 50V
C400	403 164 0204	CERAMIC 0.1U Z 25V	C4306	403 164 0204	CERAMIC 0.1U Z 25V
C401	403 280 0508	ELECT 470U M 4V	C4307	403 113 3805	CERAMIC 1000P K 50V
C402	403 164 0204	CERAMIC 0.1U Z 25V	C4308	403 164 0204	CERAMIC 0.1U Z 25V
C403	403 280 0508	ELECT 470U M 4V	C4309	403 113 3805	CERAMIC 1000P K 50V
C404	403 164 0204	CERAMIC 0.1U Z 25V	C431	403 164 0204	CERAMIC 0.1U Z 25V
C405	403 164 0204	CERAMIC 0.1U Z 25V	C4311	403 164 0204	CERAMIC 0.1U Z 25V
C406	403 164 0204	CERAMIC 0.1U Z 25V	C432	403 280 0508	ELECT 470U M 4V
C407	403 280 0508	ELECT 470U M 4V	C4320	403 280 0508	ELECT 470U M 4V
C408	403 280 0508	ELECT 470U M 4V	C4321	403 113 3805	CERAMIC 1000P K 50V
C409	403 164 0204	CERAMIC 0.1U Z 25V	C4322	403 164 0204	CERAMIC 0.1U Z 25V
C410	403 164 0204	CERAMIC 0.1U Z 25V	C433	403 113 3805	CERAMIC 1000P K 50V
C411	403 164 0204	CERAMIC 0.1U Z 25V	C4331	403 164 0204	CERAMIC 0.1U Z 25V
C412	403 164 0204	CERAMIC 0.1U Z 25V	C4332	403 113 3805	CERAMIC 1000P K 50V
C413	403 164 0204	CERAMIC 0.1U Z 25V	C4333	403 164 0204	CERAMIC 0.1U Z 25V
C414	403 280 0508	ELECT 470U M 4V	C4334	403 164 0204	CERAMIC 0.1U Z 25V
C415	403 113 3805	CERAMIC 1000P K 50V	C4335	403 164 0204	CERAMIC 0.1U Z 25V
C416	403 164 0204	CERAMIC 0.1U Z 25V	C4336	403 113 3805	CERAMIC 1000P K 50V
C417	403 113 3805	CERAMIC 1000P K 50V	C4341	403 113 3805	CERAMIC 1000P K 50V
C418	403 164 0204	CERAMIC 0.1U Z 25V	C4342	403 164 0204	CERAMIC 0.1U Z 25V
C419	403 113 3805	CERAMIC 1000P K 50V	C4343	403 164 0204	CERAMIC 0.1U Z 25V
C420	403 164 0204	CERAMIC 0.1U Z 25V	C4344	403 164 0204	CERAMIC 0.1U Z 25V
C4200	403 157 1904	CERAMIC 10P D 50V	C4345	403 164 0204	CERAMIC 0.1U Z 25V
C4201	403 164 0204	CERAMIC 0.1U Z 25V	C4346	403 113 3805	CERAMIC 1000P K 50V
C421	403 164 0204	CERAMIC 0.1U Z 25V	C4347	403 280 0508	ELECT 470U M 4V
C4211	403 164 0204	CERAMIC 0.1U Z 25V	C441	403 164 0204	CERAMIC 0.1U Z 25V
C4212	403 164 0204	CERAMIC 0.1U Z 25V	C442	403 113 3805	CERAMIC 1000P K 50V
C4213	403 113 3805	CERAMIC 1000P K 50V	C451	403 164 0204	CERAMIC 0.1U Z 25V
C4214	403 113 3805	CERAMIC 1000P K 50V	C452	403 280 0508	ELECT 470U M 4V
C4215	403 113 3805	CERAMIC 1000P K 50V	C453	403 113 3805	CERAMIC 1000P K 50V
C4216	403 164 0204	CERAMIC 0.1U Z 25V	C461	403 164 0204	CERAMIC 0.1U Z 25V
C4217	403 164 0204	CERAMIC 0.1U Z 25V	C462	403 113 3805	CERAMIC 1000P K 50V
C4218	403 113 3805	CERAMIC 1000P K 50V	C471	403 164 0204	CERAMIC 0.1U Z 25V
C4219	403 164 0204	CERAMIC 0.1U Z 25V	C472	403 280 0805	ELECT 330U M 6.3V
C422	403 113 3805	CERAMIC 1000P K 50V	C473	403 113 3805	CERAMIC 1000P K 50V
C4220	403 157 1904	CERAMIC 10P D 50V	C4801	403 164 0204	CERAMIC 0.1U Z 25V
C4221	403 164 0204	CERAMIC 0.1U Z 25V	C4802	403 280 0805	ELECT 330U M 6.3V
C4224	403 164 0204	CERAMIC 0.1U Z 25V	C4803	403 164 0204	CERAMIC 0.1U Z 25V
C4225	403 164 0204	CERAMIC 0.1U Z 25V	C4804	403 164 0204	CERAMIC 0.1U Z 25V
C423	403 113 3805	CERAMIC 1000P K 50V	C4805	403 164 0204	CERAMIC 0.1U Z 25V
C4231	403 164 0204	CERAMIC 0.1U Z 25V	C4806	403 164 0204	CERAMIC 0.1U Z 25V
C4232	403 113 3805	CERAMIC 1000P K 50V	C4807	403 164 0204	CERAMIC 0.1U Z 25V
C4233	403 113 3805	CERAMIC 1000P K 50V	C4808	403 280 0805	ELECT 330U M 6.3V
C4234	403 113 3805	CERAMIC 1000P K 50V	C4809	403 164 0204	CERAMIC 0.1U Z 25V
C4235	403 113 3805	CERAMIC 1000P K 50V	C4811	403 164 0204	CERAMIC 0.1U Z 25V
C4236	403 164 0204	CERAMIC 0.1U Z 25V	C4812	403 164 0204	CERAMIC 0.1U Z 25V
C4237	403 164 0204	CERAMIC 0.1U Z 25V	C4813	403 164 0204	CERAMIC 0.1U Z 25V
C4240	403 157 1904	CERAMIC 10P D 50V	C4814	403 164 0204	CERAMIC 0.1U Z 25V
C4241	403 164 0204	CERAMIC 0.1U Z 25V	C4821	403 113 3805	CERAMIC 1000P K 50V
C4244	403 164 0204	CERAMIC 0.1U Z 25V	C4822	403 164 0204	CERAMIC 0.1U Z 25V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C4823	403 113 3805	CERAMIC 1000P K 50V	C5246	403 280 0805	ELECT 330U M 6.3V
C4824	403 113 3805	CERAMIC 1000P K 50V	C5251	403 164 0204	CERAMIC 0.1U Z 25V
C4825	403 113 3805	CERAMIC 1000P K 50V	C5252	403 113 3805	CERAMIC 1000P K 50V
C4827	403 113 3805	CERAMIC 1000P K 50V	C5253	403 113 3805	CERAMIC 1000P K 50V
C4828	403 113 3805	CERAMIC 1000P K 50V	C5254	403 113 3805	CERAMIC 1000P K 50V
C4829	403 113 3805	CERAMIC 1000P K 50V	C5255	403 113 3805	CERAMIC 1000P K 50V
C4831	403 113 3805	CERAMIC 1000P K 50V	C5256	403 164 0204	CERAMIC 0.1U Z 25V
C4832	403 113 3805	CERAMIC 1000P K 50V	C5257	403 164 0204	CERAMIC 0.1U Z 25V
C4901	403 164 0204	CERAMIC 0.1U Z 25V	C532	403 316 1400	CERAMIC 560P J 25V
C4902	403 164 0204	CERAMIC 0.1U Z 25V	C533	403 164 0204	CERAMIC 0.1U Z 25V
C4903	403 164 0204	CERAMIC 0.1U Z 25V	C534	403 164 0204	CERAMIC 0.1U Z 25V
C4904	403 164 0204	CERAMIC 0.1U Z 25V	C535	403 175 4109	ELECT 22U M 16V
C4905	403 280 0805	ELECT 330U M 6.3V	C536	403 164 0204	CERAMIC 0.1U Z 25V
C4906	403 164 0204	CERAMIC 0.1U Z 25V	C537	403 149 9208	CERAMIC 0.01U Z 50V
C4907	403 164 0204	CERAMIC 0.1U Z 25V	C538	403 149 9208	CERAMIC 0.01U Z 50V
C4908	403 164 0204	CERAMIC 0.1U Z 25V	C540	403 162 4709	ELECT 10U M 16V
C491	403 164 0204	CERAMIC 0.1U Z 25V	C541	403 280 1604	ELECT 220U M 16V
C492	403 164 0204	CERAMIC 0.1U Z 25V	C542	403 164 0204	CERAMIC 0.1U Z 25V
C493	403 164 0204	CERAMIC 0.1U Z 25V	C543	403 164 0204	CERAMIC 0.1U Z 25V
C494	403 164 0204	CERAMIC 0.1U Z 25V	C551	403 280 0805	ELECT 330U M 6.3V
C495	403 164 0204	CERAMIC 0.1U Z 25V	C552	403 164 0204	CERAMIC 0.1U Z 25V
C4951	403 164 0204	CERAMIC 0.1U Z 25V	C553	403 164 0204	CERAMIC 0.1U Z 25V
C496	403 164 0204	CERAMIC 0.1U Z 25V	C554	403 164 0204	CERAMIC 0.1U Z 25V
C497	403 280 0607	ELECT 220U M 6.3V	C562	403 316 1400	CERAMIC 560P J 25V
C502	403 316 1400	CERAMIC 560P J 25V	C563	403 164 0204	CERAMIC 0.1U Z 25V
C503	403 164 0204	CERAMIC 0.1U Z 25V	C564	403 164 0204	CERAMIC 0.1U Z 25V
C504	403 164 0204	CERAMIC 0.1U Z 25V	C565	403 175 4109	ELECT 22U M 16V
C505	403 175 4109	ELECT 22U M 16V	C566	403 164 0204	CERAMIC 0.1U Z 25V
C506	403 164 0204	CERAMIC 0.1U Z 25V	C567	403 149 9208	CERAMIC 0.01U Z 50V
C507	403 149 9208	CERAMIC 0.01U Z 50V	C568	403 149 9208	CERAMIC 0.01U Z 50V
C508	403 149 9208	CERAMIC 0.01U Z 50V	C569	403 280 1604	ELECT 220U M 16V
C511	403 164 0204	CERAMIC 0.1U Z 25V	C570	403 162 4709	ELECT 10U M 16V
C512	403 164 0204	CERAMIC 0.1U Z 25V	C571	403 164 0204	CERAMIC 0.1U Z 25V
C513	403 280 1604	ELECT 220U M 16V	C573	403 164 0204	CERAMIC 0.1U Z 25V
C514	403 164 0204	CERAMIC 0.1U Z 25V	C574	403 164 0204	CERAMIC 0.1U Z 25V
C515	403 162 4709	ELECT 10U M 16V	C581	403 215 2201	CERAMIC 0.01U K 50V
C5200	403 157 1904	CERAMIC 10P D 50V	C582	403 164 0204	CERAMIC 0.1U Z 25V
C5201	403 164 0204	CERAMIC 0.1U Z 25V	C583	403 280 1604	ELECT 220U M 16V
C5203	403 280 0805	ELECT 330U M 6.3V	C6201	403 280 0508	ELECT 470U M 4V
C5204	403 164 0204	CERAMIC 0.1U Z 25V	C6202	403 164 0204	CERAMIC 0.1U Z 25V
C5205	403 164 0204	CERAMIC 0.1U Z 25V	C6203	403 113 3805	CERAMIC 1000P K 50V
C5206	403 280 0805	ELECT 330U M 6.3V	C6204	403 164 0204	CERAMIC 0.1U Z 25V
C5211	403 164 0204	CERAMIC 0.1U Z 25V	C6205	403 113 3805	CERAMIC 1000P K 50V
C5212	403 113 3805	CERAMIC 1000P K 50V	C6206	403 164 0204	CERAMIC 0.1U Z 25V
C5213	403 113 3805	CERAMIC 1000P K 50V	C6207	403 113 3805	CERAMIC 1000P K 50V
C5214	403 113 3805	CERAMIC 1000P K 50V	C6208	403 113 3805	CERAMIC 1000P K 50V
C5215	403 113 3805	CERAMIC 1000P K 50V	C6209	403 164 0204	CERAMIC 0.1U Z 25V
C5216	403 164 0204	CERAMIC 0.1U Z 25V	C6211	403 113 3805	CERAMIC 1000P K 50V
C5217	403 164 0204	CERAMIC 0.1U Z 25V	C6212	403 164 0204	CERAMIC 0.1U Z 25V
C5220	403 157 1904	CERAMIC 10P D 50V	C6213	403 113 3805	CERAMIC 1000P K 50V
C5221	403 164 0204	CERAMIC 0.1U Z 25V	C6221	403 113 3805	CERAMIC 1000P K 50V
C5223	403 280 0805	ELECT 330U M 6.3V	C6222	403 164 0204	CERAMIC 0.1U Z 25V
C5224	403 164 0204	CERAMIC 0.1U Z 25V	C801	403 164 0204	CERAMIC 0.1U Z 25V
C5225	403 164 0204	CERAMIC 0.1U Z 25V	C802	403 164 0204	CERAMIC 0.1U Z 25V
C5226	403 280 0805	ELECT 330U M 6.3V	C803	403 155 1609	CERAMIC 33P J 50V
C5231	403 164 0204	CERAMIC 0.1U Z 25V	C804	403 155 1609	CERAMIC 33P J 50V
C5232	403 113 3805	CERAMIC 1000P K 50V	C805	403 175 0606	ELECT 100U M 6.3V
C5233	403 113 3805	CERAMIC 1000P K 50V	C806	403 175 4505	ELECT 47U M 6.3V
C5234	403 113 3805	CERAMIC 1000P K 50V	C807	403 164 0204	CERAMIC 0.1U Z 25V
C5235	403 113 3805	CERAMIC 1000P K 50V	C808	403 215 1006	CERAMIC 470P J 50V
C5236	403 164 0204	CERAMIC 0.1U Z 25V	C809	403 283 6309	CERAMIC 1U Z 10V
C5237	403 164 0204	CERAMIC 0.1U Z 25V	C810	403 162 4709	ELECT 10U M 16V
C5240	403 157 1904	CERAMIC 10P D 50V	C811	403 164 0204	CERAMIC 0.1U Z 25V
C5241	403 164 0204	CERAMIC 0.1U Z 25V	C812	403 164 0204	CERAMIC 0.1U Z 25V
C5243	403 280 0805	ELECT 330U M 6.3V	C813	403 164 0204	CERAMIC 0.1U Z 25V
C5244	403 164 0204	CERAMIC 0.1U Z 25V	C814	403 280 0805	ELECT 330U M 6.3V
C5245	403 164 0204	CERAMIC 0.1U Z 25V	C815	403 164 0204	CERAMIC 0.1U Z 25V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C821	403 280 0805	ELECT 330U M 6.3V	RB4804	645 037 0311	R-NETWORK 3.3KX4 1/16W
C822	403 164 0204	CERAMIC 0.1U Z 25V	RB4805	645 037 0311	R-NETWORK 3.3KX4 1/16W
C861	403 280 0805	ELECT 330U M 6.3V	RB4806	645 037 0311	R-NETWORK 3.3KX4 1/16W
C862	403 164 0204	CERAMIC 0.1U Z 25V	RB4807	645 037 0311	R-NETWORK 3.3KX4 1/16W
C866	403 164 0204	CERAMIC 0.1U Z 25V	RB501	645 028 5998	R-NETWORK 10X4 1/16W
C867	403 280 0805	ELECT 330U M 6.3V	RB502	645 028 5998	R-NETWORK 10X4 1/16W
C871	403 164 0204	CERAMIC 0.1U Z 25V	RB503	645 028 5998	R-NETWORK 10X4 1/16W
C872	403 280 0805	ELECT 330U M 6.3V	RB531	645 028 5998	R-NETWORK 10X4 1/16W
C891	403 164 0204	CERAMIC 0.1U Z 25V	RB532	645 028 5998	R-NETWORK 10X4 1/16W
C892	403 164 0204	CERAMIC 0.1U Z 25V	RB533	645 028 5998	R-NETWORK 10X4 1/16W
C893	403 164 0204	CERAMIC 0.1U Z 25V	RB561	645 028 5998	R-NETWORK 10X4 1/16W
RESISTOR			RB562	645 028 5998	R-NETWORK 10X4 1/16W
RB1121	645 026 8014	R-NETWORK 10KX4 1/16W	RB563	645 028 5998	R-NETWORK 10X4 1/16W
RB1122	645 026 8014	R-NETWORK 10KX4 1/16W	R100	401 105 0405	MT-GLAZE 100 JA 1/16W
RB1811	645 026 8038	R-NETWORK 22KX4 1/16W	R101	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB1891	645 026 8038	R-NETWORK 22KX4 1/16W	R102	401 105 0405	MT-GLAZE 100 JA 1/16W
RB1892	645 028 3215	R-NETWORK 100X4 1/16W	R103	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB1893	645 028 3215	R-NETWORK 100X4 1/16W	R104	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB1894	645 028 3215	R-NETWORK 100X4 1/16W	R105	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB1896	645 026 8014	R-NETWORK 10KX4 1/16W	R106	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB1897	645 028 5998	R-NETWORK 10X4 1/16W	R109	401 105 0603	MT-GLAZE 10K JA 1/16W
RB3201	645 027 1519	R-NETWORK 0X4 1/16W	R110	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3202	645 027 1519	R-NETWORK 0X4 1/16W	R1100	401 105 3901	MT-GLAZE 33 JA 1/16W
RB3203	645 027 1519	R-NETWORK 0X4 1/16W	R1101	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3204	645 027 1519	R-NETWORK 0X4 1/16W	R1102	401 105 0504	MT-GLAZE 1K JA 1/16W
RB3205	645 027 1519	R-NETWORK 0X4 1/16W	R1103	401 105 0504	MT-GLAZE 1K JA 1/16W
RB3206	645 027 1519	R-NETWORK 0X4 1/16W	R1104	401 105 1006	MT-GLAZE 1.2K JA 1/16W
RB3207	645 027 1519	R-NETWORK 0X4 1/16W	R1105	401 105 2904	MT-GLAZE 22K JA 1/16W
RB3208	645 027 1519	R-NETWORK 0X4 1/16W	R1106	401 105 6605	MT-GLAZE 6.8K JA 1/16W
RB3211	645 027 1519	R-NETWORK 0X4 1/16W	R1107	401 105 2805	MT-GLAZE 2.2K JA 1/16W
RB3212	645 027 1519	R-NETWORK 0X4 1/16W	R1108	401 105 2409	MT-GLAZE 2K JA 1/16W
RB3213	645 027 1519	R-NETWORK 0X4 1/16W	R1109	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3214	645 027 1519	R-NETWORK 0X4 1/16W	R111	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3215	645 027 1519	R-NETWORK 0X4 1/16W	R1112	401 105 2805	MT-GLAZE 2.2K JA 1/16W
RB3216	645 027 1519	R-NETWORK 0X4 1/16W	R1113	401 105 2805	MT-GLAZE 2.2K JA 1/16W
RB3217	645 027 1519	R-NETWORK 0X4 1/16W	R1115	401 105 2805	MT-GLAZE 2.2K JA 1/16W
RB3218	645 027 1519	R-NETWORK 0X4 1/16W	R1117	401 105 0504	MT-GLAZE 1K JA 1/16W
RB3221	645 027 1519	R-NETWORK 0X4 1/16W	R1119	401 105 3901	MT-GLAZE 33 JA 1/16W
RB3222	645 027 1519	R-NETWORK 0X4 1/16W	R112	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3223	645 027 1519	R-NETWORK 0X4 1/16W	R1120	401 105 3901	MT-GLAZE 33 JA 1/16W
RB3224	645 027 1519	R-NETWORK 0X4 1/16W	R1121	401 105 0504	MT-GLAZE 1K JA 1/16W
RB3225	645 027 1519	R-NETWORK 0X4 1/16W	R1123	401 105 3901	MT-GLAZE 33 JA 1/16W
RB3226	645 027 1519	R-NETWORK 0X4 1/16W	R1124	401 105 0504	MT-GLAZE 1K JA 1/16W
RB3227	645 027 1519	R-NETWORK 0X4 1/16W	R1126	401 105 3901	MT-GLAZE 33 JA 1/16W
RB3228	645 027 1519	R-NETWORK 0X4 1/16W	R1127	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3801	645 026 8021	R-NETWORK 100KX4 1/16W	R1128	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3802	645 026 8021	R-NETWORK 100KX4 1/16W	R1129	401 105 0405	MT-GLAZE 100 JA 1/16W
RB3803	645 026 8021	R-NETWORK 100KX4 1/16W	R113	401 105 0504	MT-GLAZE 1K JA 1/16W
RB3804	645 026 8021	R-NETWORK 100KX4 1/16W	R1130	401 105 3901	MT-GLAZE 33 JA 1/16W
RB3805	645 026 8021	R-NETWORK 100KX4 1/16W	R1132	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB3806	645 026 8021	R-NETWORK 100KX4 1/16W	R1137	401 105 0405	MT-GLAZE 100 JA 1/16W
RB401	645 027 1519	R-NETWORK 0X4 1/16W	R1138	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB402	645 027 1519	R-NETWORK 0X4 1/16W	R1139	401 105 0405	MT-GLAZE 100 JA 1/16W
RB403	645 027 1519	R-NETWORK 0X4 1/16W	R114	401 105 6001	MT-GLAZE 5.6K JA 1/16W
RB404	645 027 1519	R-NETWORK 0X4 1/16W	R1140	401 105 0405	MT-GLAZE 100 JA 1/16W
RB405	645 027 1519	R-NETWORK 0X4 1/16W	R1141	401 105 0405	MT-GLAZE 100 JA 1/16W
RB406	645 027 1519	R-NETWORK 0X4 1/16W	R1142	401 105 0405	MT-GLAZE 100 JA 1/16W
RB407	645 027 1519	R-NETWORK 0X4 1/16W	R1143	401 105 0603	MT-GLAZE 10K JA 1/16W
RB408	645 027 1519	R-NETWORK 0X4 1/16W	R1144	401 105 0306	MT-GLAZE 10 JA 1/16W
RB409	645 027 1519	R-NETWORK 0X4 1/16W	R1145	401 105 0306	MT-GLAZE 10 JA 1/16W
RB411	645 027 1519	R-NETWORK 0X4 1/16W	R1146	401 105 8203	MT-GLAZE 68K JA 1/16W
RB412	645 027 1519	R-NETWORK 0X4 1/16W	R1147	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB413	645 027 1519	R-NETWORK 0X4 1/16W	R1149	401 105 0603	MT-GLAZE 10K JA 1/16W
RB4801	645 037 0311	R-NETWORK 3.3KX4 1/16W	R115	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB4802	645 037 0311	R-NETWORK 3.3KX4 1/16W	R1155	401 105 0306	MT-GLAZE 10 JA 1/16W
RB4803	645 037 0311	R-NETWORK 3.3KX4 1/16W	R1156	401 105 0306	MT-GLAZE 10 JA 1/16W
			R1157	401 105 0306	MT-GLAZE 10 JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1158	401 105 0306	MT-GLAZE 10 JA 1/16W	R1274	401 105 0405	MT-GLAZE 100 JA 1/16W
R1159	401 105 0306	MT-GLAZE 10 JA 1/16W	R1275	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R116	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1277	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1161	401 105 0306	MT-GLAZE 10 JA 1/16W	R1278	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R1162	401 105 0306	MT-GLAZE 10 JA 1/16W	R128	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1163	401 105 0306	MT-GLAZE 10 JA 1/16W	R1281	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1164	401 105 0306	MT-GLAZE 10 JA 1/16W	R1284	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1165	401 105 0306	MT-GLAZE 10 JA 1/16W	R1285	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1166	401 105 0306	MT-GLAZE 10 JA 1/16W	R1286	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1167	401 105 0306	MT-GLAZE 10 JA 1/16W	R1287	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1168	401 105 0306	MT-GLAZE 10 JA 1/16W	R1288	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1169	401 105 0306	MT-GLAZE 10 JA 1/16W	R1289	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1171	401 105 0306	MT-GLAZE 10 JA 1/16W	R129	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1172	401 105 0306	MT-GLAZE 10 JA 1/16W	R1290	401 105 2904	MT-GLAZE 22K JA 1/16W
R1175	401 105 0405	MT-GLAZE 100 JA 1/16W	R1301	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1176	401 105 0405	MT-GLAZE 100 JA 1/16W	R1302	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1177	401 105 0405	MT-GLAZE 100 JA 1/16W	R1303	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1178	401 105 0405	MT-GLAZE 100 JA 1/16W	R1304	401 105 0603	MT-GLAZE 10K JA 1/16W
R1180	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1305	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1181	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1306	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1182	401 105 4502	MT-GLAZE 390 JA 1/16W	R131	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1183	401 105 4502	MT-GLAZE 390 JA 1/16W	R132	401 105 0603	MT-GLAZE 10K JA 1/16W
R1184	401 105 4502	MT-GLAZE 390 JA 1/16W	R133	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1185	401 105 5905	MT-GLAZE 560 JA 1/16W	R134	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1186	401 105 5905	MT-GLAZE 560 JA 1/16W	R135	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1187	401 105 5905	MT-GLAZE 560 JA 1/16W	R1351	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1188	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1352	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1190	401 105 0603	MT-GLAZE 10K JA 1/16W	R1353	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1192	401 105 0405	MT-GLAZE 100 JA 1/16W	R1360	401 105 5905	MT-GLAZE 560 JA 1/16W
R1193	401 105 0405	MT-GLAZE 100 JA 1/16W	R1361	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1194	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1372	401 235 4403	MT-GLAZE 560 FA 1/16W
R1196	401 105 0405	MT-GLAZE 100 JA 1/16W	R1373	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R1199	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1375	401 235 4403	MT-GLAZE 560 FA 1/16W
R1201	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1376	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R1202	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1377	401 235 4403	MT-GLAZE 560 FA 1/16W
R1203	401 105 0405	MT-GLAZE 100 JA 1/16W	R1379	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R1204	401 105 0405	MT-GLAZE 100 JA 1/16W	R1381	401 105 5905	MT-GLAZE 560 JA 1/16W
R1205	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1383	401 105 5905	MT-GLAZE 560 JA 1/16W
R1206	401 105 6605	MT-GLAZE 6.8K JA 1/16W	R1385	401 105 5905	MT-GLAZE 560 JA 1/16W
R1208	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1387	401 235 4403	MT-GLAZE 560 FA 1/16W
R121	401 105 0405	MT-GLAZE 100 JA 1/16W	R1388	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R1211	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1390	401 105 5905	MT-GLAZE 560 JA 1/16W
R1212	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1391	401 235 4403	MT-GLAZE 560 FA 1/16W
R1215	401 105 4007	MT-GLAZE 330 JA 1/16W	R1392	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R1216	401 105 0504	MT-GLAZE 1K JA 1/16W	R1394	401 235 4403	MT-GLAZE 560 FA 1/16W
R1217	401 105 5400	MT-GLAZE 47K JA 1/16W	R1395	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R1218	401 105 0603	MT-GLAZE 10K JA 1/16W	R1396	401 105 5905	MT-GLAZE 560 JA 1/16W
R1219	401 105 0504	MT-GLAZE 1K JA 1/16W	R1398	401 105 5905	MT-GLAZE 560 JA 1/16W
R122	401 105 0405	MT-GLAZE 100 JA 1/16W	R140	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1220	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1401	401 105 0603	MT-GLAZE 10K JA 1/16W
R1221	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1402	401 105 0603	MT-GLAZE 10K JA 1/16W
R1223	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1403	401 105 0603	MT-GLAZE 10K JA 1/16W
R1224	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R141	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1225	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1411	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1226	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1412	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1227	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1414	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1417	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1229	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R143	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R123	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R144	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R124	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1441	401 105 4205	MT-GLAZE 33K JA 1/16W
R125	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1442	401 105 0603	MT-GLAZE 10K JA 1/16W
R126	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1443	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R127	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1451	401 105 4205	MT-GLAZE 33K JA 1/16W
R1270	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1452	401 105 0603	MT-GLAZE 10K JA 1/16W
R1271	401 105 0306	MT-GLAZE 10 JA 1/16W	R1453	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1272	401 105 0306	MT-GLAZE 10 JA 1/16W	R1461	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1273	401 105 0405	MT-GLAZE 100 JA 1/16W	R1462	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1463	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1571	401 105 0603	MT-GLAZE 10K JA 1/16W
R1464	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1581	401 105 7206	MT-GLAZE 82 JA 1/16W
R1465	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1582	401 105 0900	MT-GLAZE 120 JA 1/16W
R1466	401 263 1108	MT-GLAZE 1.3K FA 1/16W	R1583	401 105 0900	MT-GLAZE 120 JA 1/16W
R1467	401 218 4505	MT-GLAZE 2.2K FA 1/16W	R1593	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1468	401 230 8901	MT-GLAZE 390 FA 1/16W	R160	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1469	401 218 4505	MT-GLAZE 2.2K FA 1/16W	R161	401 105 0405	MT-GLAZE 100 JA 1/16W
R1471	401 105 0405	MT-GLAZE 100 JA 1/16W	R162	401 105 0504	MT-GLAZE 1K JA 1/16W
R1472	401 105 0405	MT-GLAZE 100 JA 1/16W	R163	401 230 2503	MT-GLAZE 1K FA 1/16W
R1473	401 105 0405	MT-GLAZE 100 JA 1/16W	R165	401 260 4706	MT-GLAZE 1.5K FA 1/16W
R1475	401 105 0603	MT-GLAZE 10K JA 1/16W	R166	401 105 0702	MT-GLAZE 100K JA 1/16W
R1476	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R167	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1477	401 105 0504	MT-GLAZE 1K JA 1/16W	R168	401 105 5202	MT-GLAZE 470 JA 1/16W
R1479	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R169	401 105 0405	MT-GLAZE 100 JA 1/16W
R1487	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R170	401 260 8407	MT-GLAZE 22 JA 1/3W
R1488	401 212 0404	MT-GLAZE 680 FA 1/16W	R171	401 203 9805	MT-GLAZE 2.7K FA 1/16W
R1489	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R172	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R1491	401 212 0404	MT-GLAZE 680 FA 1/16W	R173	401 113 6307	MT-GLAZE 4.3K JA 1/16W
R1492	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R174	401 260 8407	MT-GLAZE 22 JA 1/3W
R1493	401 212 0404	MT-GLAZE 680 FA 1/16W	R175	401 105 0405	MT-GLAZE 100 JA 1/16W
R1494	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R176	401 105 0504	MT-GLAZE 1K JA 1/16W
R1495	401 212 0404	MT-GLAZE 680 FA 1/16W	R177	401 230 2503	MT-GLAZE 1K FA 1/16W
R1496	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R179	401 105 5400	MT-GLAZE 47K JA 1/16W
R1497	401 212 0404	MT-GLAZE 680 FA 1/16W	R180	401 105 0405	MT-GLAZE 100 JA 1/16W
R1498	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R181	401 218 4406	MT-GLAZE 1.2K FA 1/16W
R1499	401 212 0404	MT-GLAZE 680 FA 1/16W	R1810	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R150	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1811	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1501	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1812	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1502	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1813	401 105 0603	MT-GLAZE 10K JA 1/16W
R1505	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1814	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1506	401 105 0603	MT-GLAZE 10K JA 1/16W	R1815	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1507	401 105 0603	MT-GLAZE 10K JA 1/16W	R1816	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1508	401 105 0603	MT-GLAZE 10K JA 1/16W	R182	401 105 0603	MT-GLAZE 10K JA 1/16W
R1509	401 105 3406	MT-GLAZE 27K JA 1/16W	R1820	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1511	401 105 0603	MT-GLAZE 10K JA 1/16W	R1821	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1512	401 105 0603	MT-GLAZE 10K JA 1/16W	R1822	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R152	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1825	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R153	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1826	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1531	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1829	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1532	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R183	401 105 0405	MT-GLAZE 100 JA 1/16W
R1535	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1831	401 105 0405	MT-GLAZE 100 JA 1/16W
R1536	401 105 0603	MT-GLAZE 10K JA 1/16W	R1832	401 105 0405	MT-GLAZE 100 JA 1/16W
R1537	401 105 0603	MT-GLAZE 10K JA 1/16W	R1833	401 105 0405	MT-GLAZE 100 JA 1/16W
R1538	401 105 0603	MT-GLAZE 10K JA 1/16W	R1834	401 105 0405	MT-GLAZE 100 JA 1/16W
R1539	401 105 3406	MT-GLAZE 27K JA 1/16W	R184	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R154	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1841	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1541	401 105 0603	MT-GLAZE 10K JA 1/16W	R1842	401 105 0405	MT-GLAZE 100 JA 1/16W
R1542	401 105 0603	MT-GLAZE 10K JA 1/16W	R1844	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1550	401 105 7305	MT-GLAZE 820 JA 1/16W	R1845	401 105 0405	MT-GLAZE 100 JA 1/16W
R1551	401 105 0900	MT-GLAZE 120 JA 1/16W	R1847	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1552	401 105 0900	MT-GLAZE 120 JA 1/16W	R1848	401 105 0405	MT-GLAZE 100 JA 1/16W
R1553	401 105 0900	MT-GLAZE 120 JA 1/16W	R185	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R1554	401 105 0900	MT-GLAZE 120 JA 1/16W	R1851	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1555	401 105 7206	MT-GLAZE 82 JA 1/16W	R1852	401 105 0405	MT-GLAZE 100 JA 1/16W
R1556	401 105 7206	MT-GLAZE 82 JA 1/16W	R1854	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1557	401 105 7206	MT-GLAZE 82 JA 1/16W	R1855	401 105 0405	MT-GLAZE 100 JA 1/16W
R1558	401 105 7206	MT-GLAZE 82 JA 1/16W	R1857	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1559	401 105 7206	MT-GLAZE 82 JA 1/16W	R1858	401 105 0405	MT-GLAZE 100 JA 1/16W
R156	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R186	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1561	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1860	401 105 2904	MT-GLAZE 22K JA 1/16W
R1562	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1861	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1565	401 105 0603	MT-GLAZE 10K JA 1/16W	R1862	401 105 0405	MT-GLAZE 100 JA 1/16W
R1566	401 105 0603	MT-GLAZE 10K JA 1/16W	R1864	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1567	401 105 0603	MT-GLAZE 10K JA 1/16W	R1865	401 105 0405	MT-GLAZE 100 JA 1/16W
R1568	401 105 3406	MT-GLAZE 27K JA 1/16W	R1869	401 105 0405	MT-GLAZE 100 JA 1/16W
R1569	401 105 0603	MT-GLAZE 10K JA 1/16W	R1870	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R157	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1871	401 105 0405	MT-GLAZE 100 JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1872	401 105 2904	MT-GLAZE 22K JA 1/16W	R245	401 105 0504	MT-GLAZE 1K JA 1/16W
R1874	401 105 0504	MT-GLAZE 1K JA 1/16W	R246	401 105 0504	MT-GLAZE 1K JA 1/16W
R1875	401 105 2904	MT-GLAZE 22K JA 1/16W	R247	401 105 0504	MT-GLAZE 1K JA 1/16W
R1877	401 105 0900	MT-GLAZE 120 JA 1/16W	R248	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1878	401 105 2904	MT-GLAZE 22K JA 1/16W	R249	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R188	401 105 0405	MT-GLAZE 100 JA 1/16W	R250	403 157 1508	CERAMIC 3P C 50V
R1880	401 105 0405	MT-GLAZE 100 JA 1/16W	R2500	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R1881	401 105 0405	MT-GLAZE 100 JA 1/16W	R2501	401 037 7800	MT-GLAZE 150 JA 1/10W
R1882	401 105 0405	MT-GLAZE 100 JA 1/16W	R2502	401 037 7800	MT-GLAZE 150 JA 1/10W
R1883	401 105 0405	MT-GLAZE 100 JA 1/16W	R2503	401 037 7800	MT-GLAZE 150 JA 1/10W
R1884	401 105 5202	MT-GLAZE 470 JA 1/16W	R251	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1885	401 105 2003	MT-GLAZE 1.8K JA 1/16W	R2512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1886	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R2515	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1888	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1889	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R2519	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R189	401 105 0504	MT-GLAZE 1K JA 1/16W	R252	401 105 5806	MT-GLAZE 56 JA 1/16W
R1890	401 105 0405	MT-GLAZE 100 JA 1/16W	R253	401 105 5806	MT-GLAZE 56 JA 1/16W
R1893	401 105 0603	MT-GLAZE 10K JA 1/16W	R2532	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1894	645 030 1056	PROTECTOR, IC 3.8A 72V	R2535	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1895	645 030 1056	PROTECTOR, IC 3.8A 72V	R2537	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1896	645 030 1056	PROTECTOR, IC 3.8A 72V	R2539	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1897	645 030 1056	PROTECTOR, IC 3.8A 72V	R254	401 105 5806	MT-GLAZE 56 JA 1/16W
R1899	401 105 3307	MT-GLAZE 2.7K JA 1/16W	R2552	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R191	401 230 2503	MT-GLAZE 1K FA 1/16W	R2555	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R193	401 218 4406	MT-GLAZE 1.2K FA 1/16W	R2557	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R194	401 105 5400	MT-GLAZE 47K JA 1/16W	R2559	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R195	401 105 0603	MT-GLAZE 10K JA 1/16W	R256	401 105 3901	MT-GLAZE 33 JA 1/16W
R196	401 105 0405	MT-GLAZE 100 JA 1/16W	R257	401 105 3901	MT-GLAZE 33 JA 1/16W
R197	401 218 4505	MT-GLAZE 2.2K FA 1/16W	R258	401 105 3901	MT-GLAZE 33 JA 1/16W
R198	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R271	401 105 0504	MT-GLAZE 1K JA 1/16W
R199	401 218 4505	MT-GLAZE 2.2K FA 1/16W	R272	401 105 5202	MT-GLAZE 470 JA 1/16W
R200	401 105 4502	MT-GLAZE 390 JA 1/16W	R300	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R201	401 113 4402	MT-GLAZE 75 JA 1/16W	R301	401 105 0306	MT-GLAZE 10 JA 1/16W
R203	401 113 4402	MT-GLAZE 75 JA 1/16W	R302	401 105 0306	MT-GLAZE 10 JA 1/16W
R205	401 113 4402	MT-GLAZE 75 JA 1/16W	R304	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R210	401 105 4502	MT-GLAZE 390 JA 1/16W	R305	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R211	401 105 0504	MT-GLAZE 1K JA 1/16W	R306	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R212	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R307	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R213	401 105 0504	MT-GLAZE 1K JA 1/16W	R308	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R214	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R3202	401 105 5905	MT-GLAZE 560 JA 1/16W
R215	401 105 0504	MT-GLAZE 1K JA 1/16W	R3203	401 105 2706	MT-GLAZE 220 JA 1/16W
R216	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R3212	401 105 5905	MT-GLAZE 560 JA 1/16W
R220	401 105 4502	MT-GLAZE 390 JA 1/16W	R3213	401 105 2706	MT-GLAZE 220 JA 1/16W
R222	401 105 0504	MT-GLAZE 1K JA 1/16W	R3222	401 105 5905	MT-GLAZE 560 JA 1/16W
R223	401 105 0504	MT-GLAZE 1K JA 1/16W	R3224	401 105 2706	MT-GLAZE 220 JA 1/16W
R224	401 105 0504	MT-GLAZE 1K JA 1/16W	R3225	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R225	401 105 0504	MT-GLAZE 1K JA 1/16W	R3226	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R226	401 105 0504	MT-GLAZE 1K JA 1/16W	R323	401 105 0504	MT-GLAZE 1K JA 1/16W
R227	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R324	401 105 0504	MT-GLAZE 1K JA 1/16W
R228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3241	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R229	401 105 0504	MT-GLAZE 1K JA 1/16W	R3242	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R230	403 157 1508	CERAMIC 3P C 50V	R3243	401 105 5905	MT-GLAZE 560 JA 1/16W
R2302	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3244	401 105 2706	MT-GLAZE 220 JA 1/16W
R2303	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R325	401 105 0504	MT-GLAZE 1K JA 1/16W
R231	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3251	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2312	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3252	401 105 0603	MT-GLAZE 10K JA 1/16W
R2313	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3253	401 105 0603	MT-GLAZE 10K JA 1/16W
R232	401 105 5806	MT-GLAZE 56 JA 1/16W	R3254	401 105 0603	MT-GLAZE 10K JA 1/16W
R233	401 105 5806	MT-GLAZE 56 JA 1/16W	R3255	401 105 0603	MT-GLAZE 10K JA 1/16W
R234	401 105 5806	MT-GLAZE 56 JA 1/16W	R3256	401 105 0603	MT-GLAZE 10K JA 1/16W
R236	401 105 3901	MT-GLAZE 33 JA 1/16W	R3257	401 105 0603	MT-GLAZE 10K JA 1/16W
R237	401 105 3901	MT-GLAZE 33 JA 1/16W	R3258	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R238	401 105 3901	MT-GLAZE 33 JA 1/16W	R3259	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R240	403 157 1508	CERAMIC 3P C 50V	R326	401 105 0504	MT-GLAZE 1K JA 1/16W
R242	401 105 0504	MT-GLAZE 1K JA 1/16W	R3261	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R243	401 105 0504	MT-GLAZE 1K JA 1/16W	R3262	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R244	401 105 0504	MT-GLAZE 1K JA 1/16W	R3263	401 105 4106	MT-GLAZE 3.3K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R3264	401 105 2706	MT-GLAZE 220 JA 1/16W	R361	401 105 0603	MT-GLAZE 10K JA 1/16W
R3265	401 105 5905	MT-GLAZE 560 JA 1/16W	R362	401 105 0603	MT-GLAZE 10K JA 1/16W
R327	401 105 0504	MT-GLAZE 1K JA 1/16W	R364	401 105 0603	MT-GLAZE 10K JA 1/16W
R328	401 105 0504	MT-GLAZE 1K JA 1/16W	R365	401 105 0603	MT-GLAZE 10K JA 1/16W
R329	401 105 0504	MT-GLAZE 1K JA 1/16W	R366	401 105 0603	MT-GLAZE 10K JA 1/16W
R3301	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R369	401 105 0306	MT-GLAZE 10 JA 1/16W
R3304	401 105 0306	MT-GLAZE 10 JA 1/16W	R379	401 105 3208	MT-GLAZE 270 JA 1/16W
R3305	401 105 0603	MT-GLAZE 10K JA 1/16W	R3801	401 105 8005	MT-GLAZE 1M JA 1/16W
R3307	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3805	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R3308	401 105 0603	MT-GLAZE 10K JA 1/16W	R3806	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R331	401 105 0504	MT-GLAZE 1K JA 1/16W	R3807	401 105 0405	MT-GLAZE 100 JA 1/16W
R3311	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3808	401 105 0405	MT-GLAZE 100 JA 1/16W
R3312	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3809	401 105 0405	MT-GLAZE 100 JA 1/16W
R3313	401 105 0603	MT-GLAZE 10K JA 1/16W	R381	401 105 4007	MT-GLAZE 330 JA 1/16W
R332	401 105 0603	MT-GLAZE 10K JA 1/16W	R3811	401 105 0603	MT-GLAZE 10K JA 1/16W
R3323	401 105 0603	MT-GLAZE 10K JA 1/16W	R3812	401 105 4700	MT-GLAZE 39K JA 1/16W
R3325	401 105 0603	MT-GLAZE 10K JA 1/16W	R3813	401 105 0603	MT-GLAZE 10K JA 1/16W
R3326	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3814	401 105 0603	MT-GLAZE 10K JA 1/16W
R3327	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3816	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R333	401 105 0603	MT-GLAZE 10K JA 1/16W	R3818	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3331	401 105 0603	MT-GLAZE 10K JA 1/16W	R382	401 105 3208	MT-GLAZE 270 JA 1/16W
R334	401 105 0603	MT-GLAZE 10K JA 1/16W	R383	401 105 4007	MT-GLAZE 330 JA 1/16W
R3346	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3831	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3347	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3832	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3349	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3835	401 105 0504	MT-GLAZE 1K JA 1/16W
R335	401 105 3208	MT-GLAZE 270 JA 1/16W	R3836	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3351	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R384	401 105 3208	MT-GLAZE 270 JA 1/16W
R3352	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R385	401 105 4007	MT-GLAZE 330 JA 1/16W
R3353	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3851	401 105 0405	MT-GLAZE 100 JA 1/16W
R336	401 105 4007	MT-GLAZE 330 JA 1/16W	R3852	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R3361	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R386	401 105 3208	MT-GLAZE 270 JA 1/16W
R3364	401 105 0306	MT-GLAZE 10 JA 1/16W	R387	401 105 4007	MT-GLAZE 330 JA 1/16W
R3366	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3874	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R337	401 105 0603	MT-GLAZE 10K JA 1/16W	R388	401 105 2706	MT-GLAZE 220 JA 1/16W
R338	401 105 0603	MT-GLAZE 10K JA 1/16W	R389	401 105 5905	MT-GLAZE 560 JA 1/16W
R339	401 105 0603	MT-GLAZE 10K JA 1/16W	R390	401 105 0603	MT-GLAZE 10K JA 1/16W
R340	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R391	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R341	401 105 0603	MT-GLAZE 10K JA 1/16W	R392	401 105 4007	MT-GLAZE 330 JA 1/16W
R342	401 105 0603	MT-GLAZE 10K JA 1/16W	R393	401 105 3208	MT-GLAZE 270 JA 1/16W
R343	401 105 0603	MT-GLAZE 10K JA 1/16W	R400	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R344	401 105 0603	MT-GLAZE 10K JA 1/16W	R401	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R345	401 105 0603	MT-GLAZE 10K JA 1/16W	R402	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R346	401 105 0603	MT-GLAZE 10K JA 1/16W	R404	401 105 0603	MT-GLAZE 10K JA 1/16W
R347	401 105 0603	MT-GLAZE 10K JA 1/16W	R406	401 105 0603	MT-GLAZE 10K JA 1/16W
R348	401 105 0603	MT-GLAZE 10K JA 1/16W	R409	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R349	401 105 0603	MT-GLAZE 10K JA 1/16W	R410	401 105 0603	MT-GLAZE 10K JA 1/16W
R350	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R415	401 105 0603	MT-GLAZE 10K JA 1/16W
R3507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R417	401 105 0603	MT-GLAZE 10K JA 1/16W
R351	401 105 0603	MT-GLAZE 10K JA 1/16W	R419	401 105 0603	MT-GLAZE 10K JA 1/16W
R3512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R420	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3514	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4203	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3515	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4205	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R352	401 105 0603	MT-GLAZE 10K JA 1/16W	R4206	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R353	401 105 0603	MT-GLAZE 10K JA 1/16W	R4209	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R354	401 105 0603	MT-GLAZE 10K JA 1/16W	R4216	401 105 0504	MT-GLAZE 1K JA 1/16W
R355	401 105 0603	MT-GLAZE 10K JA 1/16W	R4217	401 105 0603	MT-GLAZE 10K JA 1/16W
R3551	401 105 3901	MT-GLAZE 33 JA 1/16W	R4218	401 105 0603	MT-GLAZE 10K JA 1/16W
R3552	401 105 3901	MT-GLAZE 33 JA 1/16W	R422	401 105 0603	MT-GLAZE 10K JA 1/16W
R3553	401 105 3901	MT-GLAZE 33 JA 1/16W	R4223	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3554	401 105 3901	MT-GLAZE 33 JA 1/16W	R4225	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3555	401 105 3901	MT-GLAZE 33 JA 1/16W	R4227	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3556	401 105 3901	MT-GLAZE 33 JA 1/16W	R4228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R356	401 105 0603	MT-GLAZE 10K JA 1/16W	R4236	401 105 0504	MT-GLAZE 1K JA 1/16W
R357	401 105 0603	MT-GLAZE 10K JA 1/16W	R4237	401 105 0603	MT-GLAZE 10K JA 1/16W
R358	401 105 0603	MT-GLAZE 10K JA 1/16W	R4238	401 105 0603	MT-GLAZE 10K JA 1/16W
R359	401 105 0603	MT-GLAZE 10K JA 1/16W	R4243	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R360	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4245	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R4246	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4843	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4249	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4844	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R425	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4845	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4256	401 105 0504	MT-GLAZE 1K JA 1/16W	R4846	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4257	401 105 0603	MT-GLAZE 10K JA 1/16W	R4847	401 105 0504	MT-GLAZE 1K JA 1/16W
R4258	401 105 0603	MT-GLAZE 10K JA 1/16W	R4848	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R426	401 105 5400	MT-GLAZE 47K JA 1/16W	R4849	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R427	401 105 5400	MT-GLAZE 47K JA 1/16W	R4850	401 105 0306	MT-GLAZE 10 JA 1/16W
R430	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4851	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4301	401 105 0603	MT-GLAZE 10K JA 1/16W	R4852	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4302	401 105 0603	MT-GLAZE 10K JA 1/16W	R4853	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4303	401 105 4205	MT-GLAZE 33K JA 1/16W	R4854	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4304	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4855	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4306	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4856	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4307	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4857	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R431	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4858	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R432	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4859	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R433	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4860	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R434	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4861	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R451	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4862	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R452	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4864	401 105 0306	MT-GLAZE 10 JA 1/16W
R453	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4865	401 105 0603	MT-GLAZE 10K JA 1/16W
R454	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4866	401 105 0504	MT-GLAZE 1K JA 1/16W
R455	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4868	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R456	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4869	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R472	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4870	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R474	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4874	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R475	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4876	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R476	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4877	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4800	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4878	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4801	401 105 0504	MT-GLAZE 1K JA 1/16W	R4879	401 105 0504	MT-GLAZE 1K JA 1/16W
R4802	401 105 0504	MT-GLAZE 1K JA 1/16W	R4881	401 105 0504	MT-GLAZE 1K JA 1/16W
R4803	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4882	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4804	401 105 0306	MT-GLAZE 10 JA 1/16W	R4883	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4805	401 105 0306	MT-GLAZE 10 JA 1/16W	R4884	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4807	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4885	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R4809	401 105 0306	MT-GLAZE 10 JA 1/16W	R4886	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R4811	401 105 0306	MT-GLAZE 10 JA 1/16W	R4887	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R4812	401 105 0306	MT-GLAZE 10 JA 1/16W	R4888	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R4813	401 105 0504	MT-GLAZE 1K JA 1/16W	R4891	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4814	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4892	401 105 7909	

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R4923	401 105 0603	MT-GLAZE 10K JA 1/16W	R553	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R4924	401 105 0306	MT-GLAZE 10 JA 1/16W	R554	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R4925	401 105 0504	MT-GLAZE 1K JA 1/16W	R557	401 113 6109	MT-GLAZE 2.4K JA 1/16W
R4926	401 105 0306	MT-GLAZE 10 JA 1/16W	R558	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R4927	401 105 0504	MT-GLAZE 1K JA 1/16W	R560	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4928	401 105 0603	MT-GLAZE 10K JA 1/16W	R561	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4929	401 105 0306	MT-GLAZE 10 JA 1/16W	R562	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R493	401 105 1501	MT-GLAZE 1.5K JA 1/16W	R563	401 105 0603	MT-GLAZE 10K JA 1/16W
R4931	401 105 0306	MT-GLAZE 10 JA 1/16W	R564	401 105 0603	MT-GLAZE 10K JA 1/16W
R4932	401 105 0306	MT-GLAZE 10 JA 1/16W	R566	401 105 1600	MT-GLAZE 15K JA 1/16W
R4933	401 105 0306	MT-GLAZE 10 JA 1/16W	R567	401 105 0702	MT-GLAZE 100K JA 1/16W
R4934	401 105 0306	MT-GLAZE 10 JA 1/16W	R568	401 105 0504	MT-GLAZE 1K JA 1/16W
R494	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R569	401 105 1105	MT-GLAZE 12K JA 1/16W
R500	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R570	401 113 6109	MT-GLAZE 2.4K JA 1/16W
R501	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R571	401 105 4205	MT-GLAZE 33K JA 1/16W
R502	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R572	401 105 0603	MT-GLAZE 10K JA 1/16W
R503	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R573	401 105 3406	MT-GLAZE 27K JA 1/16W
R504	401 105 0603	MT-GLAZE 10K JA 1/16W	R574	401 105 0603	MT-GLAZE 10K JA 1/16W
R505	401 105 0603	MT-GLAZE 10K JA 1/16W	R575	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R506	401 105 1600	MT-GLAZE 15K JA 1/16W	R576	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R507	401 105 0702	MT-GLAZE 100K JA 1/16W	R577	401 105 0603	MT-GLAZE 10K JA 1/16W
R508	401 105 0504	MT-GLAZE 1K JA 1/16W	R580	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R509	401 105 4205	MT-GLAZE 33K JA 1/16W	R581	401 105 0504	MT-GLAZE 1K JA 1/16W
R510	401 113 6109	MT-GLAZE 2.4K JA 1/16W	R582	401 105 5905	MT-GLAZE 560 JA 1/16W
R511	401 105 1105	MT-GLAZE 12K JA 1/16W	R583	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R512	401 105 3406	MT-GLAZE 27K JA 1/16W	R586	401 113 6109	MT-GLAZE 2.4K JA 1/16W
R513	401 105 0603	MT-GLAZE 10K JA 1/16W	R587	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R514	401 105 0603	MT-GLAZE 10K JA 1/16W	R593	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R517	401 113 6109	MT-GLAZE 2.4K JA 1/16W	R6201	401 113 4402	MT-GLAZE 75 JA 1/16W
R518	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R6202	401 113 4402	MT-GLAZE 75 JA 1/16W
R519	401 105 0603	MT-GLAZE 10K JA 1/16W	R6203	401 105 0504	MT-GLAZE 1K JA 1/16W
R520	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R6204	401 105 0900	MT-GLAZE 120 JA 1/16W
R5203	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6205	401 105 0900	MT-GLAZE 120 JA 1/16W
R5205	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6206	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5206	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6207	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5207	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6208	401 105 0603	MT-GLAZE 10K JA 1/16W
R5208	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6212	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5223	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6214	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5225	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6216	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5226	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6217	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5227	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6218	401 105 0603	MT-GLAZE 10K JA 1/16W
R5228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6219	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5243	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6221	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5245	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6222	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5246	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6223	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5247	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6224	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5248	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6226	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R530	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6227	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R531	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6231	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R532	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6232	401 105 0306	MT-GLAZE 10 JA 1/16W
R533	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6233	401 105 0306	MT-GLAZE 10 JA 1/16W
R534	401 105 0603	MT-GLAZE 10K JA 1/16W	R6234	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R535	401 105 0603	MT-GLAZE 10K JA 1/16W	R6235	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R536	401 105 1600	MT-GLAZE 15K JA 1/16W	R6236	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R537	401 105 0702	MT-GLAZE 100K JA 1/16W	R6237	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R538	401 105 0504	MT-GLAZE 1K JA 1/16W	R6238	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R539	401 105 4205	MT-GLAZE 33K JA 1/16W	R6239	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R540	401 113 6109	MT-GLAZE 2.4K JA 1/16W	R6251	401 259 1501	MT-GLAZE 2.2 JA 1/3W
R541	401 105 1105	MT-GLAZE 12K JA 1/16W	R6252	401 260 8308	MT-GLAZE 18 JA 1/3W
R542	401 105 3406	MT-GLAZE 27K JA 1/16W	R6253	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R543	401 105 0603	MT-GLAZE 10K JA 1/16W	R801	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R544	401 105 2409	MT-GLAZE 2K JA 1/16W	R802	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R545	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R803	401 105 0405	MT-GLAZE 100 JA 1/16W
R546	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R804	401 105 0405	MT-GLAZE 100 JA 1/16W
R550	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R806	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R551	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R809	401 105 0405	MT-GLAZE 100 JA 1/16W
R552	401 105 6605	MT-GLAZE 6.8K JA 1/16W	R811	401 105 0405	MT-GLAZE 100 JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R812	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L1101	645 021 1706	INDUCTOR, 33U J
R813	401 105 0603	MT-GLAZE 10K JA 1/16W	L1102	645 021 1751	INDUCTOR, 56U J
R815	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L1121	645 020 1776	INDUCTOR, 3.3U M
R817	401 105 0504	MT-GLAZE 1K JA 1/16W	L1181	645 026 1008	INDUCTOR, 3.3U M
R818	401 105 0603	MT-GLAZE 10K JA 1/16W	L1201	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R819	401 105 2904	MT-GLAZE 22K JA 1/16W	L121	645 026 1022	INDUCTOR, 4.7U M
R821	401 105 2904	MT-GLAZE 22K JA 1/16W	L122	645 002 5266	INDUCTOR, 10U M
R823	401 105 0900	MT-GLAZE 120 JA 1/16W	L1221	645 026 1008	INDUCTOR, 3.3U M
R825	401 105 5202	MT-GLAZE 470 JA 1/16W	L1271	645 026 1008	INDUCTOR, 3.3U M
R826	401 105 0504	MT-GLAZE 1K JA 1/16W	L1281	645 026 1008	INDUCTOR, 3.3U M
R827	401 105 0504	MT-GLAZE 1K JA 1/16W	L1351	645 026 1008	INDUCTOR, 3.3U M
R828	401 105 0504	MT-GLAZE 1K JA 1/16W	L1352	645 026 1008	INDUCTOR, 3.3U M
R831	401 105 0603	MT-GLAZE 10K JA 1/16W	L1362	645 026 1008	INDUCTOR, 3.3U M
R833	401 105 0405	MT-GLAZE 100 JA 1/16W	L1401	645 026 1008	INDUCTOR, 3.3U M
R834	401 105 2805	MT-GLAZE 2.2K JA 1/16W	L1411	645 026 1008	INDUCTOR, 3.3U M
R835	401 105 0603	MT-GLAZE 10K JA 1/16W	L1461	645 026 1008	INDUCTOR, 3.3U M
R836	401 105 0603	MT-GLAZE 10K JA 1/16W	L1462	645 026 1008	INDUCTOR, 3.3U M
R837	401 105 0603	MT-GLAZE 10K JA 1/16W	L1481	401 112 7701	MT-GLAZE 560 FA 1/10W
R838	401 105 0405	MT-GLAZE 100 JA 1/16W	L1482	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R840	401 105 0405	MT-GLAZE 100 JA 1/16W	L1483	401 112 7701	MT-GLAZE 560 FA 1/10W
R841	401 105 0603	MT-GLAZE 10K JA 1/16W	L1484	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R842	401 105 0405	MT-GLAZE 100 JA 1/16W	L1485	401 112 7701	MT-GLAZE 560 FA 1/10W
R844	401 105 2904	MT-GLAZE 22K JA 1/16W	L1486	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R845	401 105 2904	MT-GLAZE 22K JA 1/16W	L1551	645 002 5129	INDUCTOR, 0.47U M
R846	401 105 0405	MT-GLAZE 100 JA 1/16W	L1552	645 002 5129	INDUCTOR, 0.47U M
R847	401 105 0702	MT-GLAZE 100K JA 1/16W	L1553	645 002 5129	INDUCTOR, 0.47U M
R848	401 105 0405	MT-GLAZE 100 JA 1/16W	L161	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R851	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L162	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R853	401 105 0603	MT-GLAZE 10K JA 1/16W	L163	645 021 1669	INDUCTOR, 22U J
R855	401 105 0603	MT-GLAZE 10K JA 1/16W	L171	645 021 1706	INDUCTOR, 33U J
R859	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L172	645 021 1706	INDUCTOR, 33U J
R861	401 105 0603	MT-GLAZE 10K JA 1/16W	L191	645 021 1706	INDUCTOR, 33U J
R862	401 105 0603	MT-GLAZE 10K JA 1/16W	L192	645 021 1706	INDUCTOR, 33U J
R866	401 105 0405	MT-GLAZE 100 JA 1/16W	L2501	645 026 1008	INDUCTOR, 3.3U M
R867	401 105 0405	MT-GLAZE 100 JA 1/16W	L2502	645 026 1008	INDUCTOR, 3.3U M
R870	401 105 2904	MT-GLAZE 22K JA 1/16W	L301	645 020 1776	INDUCTOR, 3.3U M
R871	401 105 5301	MT-GLAZE 4.7K JA 1/16W	L302	645 026 1008	INDUCTOR, 3.3U M
R872	401 105 0405	MT-GLAZE 100 JA 1/16W	L3241	645 020 1776	INDUCTOR, 3.3U M
R873	401 105 5301	MT-GLAZE 4.7K JA 1/16W	L3301	645 020 1776	INDUCTOR, 3.3U M
R874	401 105 0405	MT-GLAZE 100 JA 1/16W	L3321	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R875	401 105 0405	MT-GLAZE 100 JA 1/16W	L3323	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R876	401 105 0405	MT-GLAZE 100 JA 1/16W	L3801	645 021 1645	INDUCTOR, 2.2U J
R877	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L401	645 020 1776	INDUCTOR, 3.3U M
R878	401 105 0405	MT-GLAZE 100 JA 1/16W	L4301	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R879	401 105 0405	MT-GLAZE 100 JA 1/16W	L4302	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R881	401 105 0405	MT-GLAZE 100 JA 1/16W	L4303	645 020 1776	INDUCTOR, 3.3U M
R882	401 105 0405	MT-GLAZE 100 JA 1/16W	L4801	645 020 1776	INDUCTOR, 3.3U M
R883	401 105 0405	MT-GLAZE 100 JA 1/16W	L4901	645 026 1008	INDUCTOR, 3.3U M
R884	401 105 0405	MT-GLAZE 100 JA 1/16W	L491	645 026 1008	INDUCTOR, 3.3U M
R885	401 105 0405	MT-GLAZE 100 JA 1/16W	L4951	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R886	401 105 0405	MT-GLAZE 100 JA 1/16W	L551	645 002 5129	INDUCTOR, 0.47U M
R888	401 105 0405	MT-GLAZE 100 JA 1/16W	L552	645 002 5129	INDUCTOR, 0.47U M
R889	401 105 2904	MT-GLAZE 22K JA 1/16W	L553	645 002 5129	INDUCTOR, 0.47U M
R890	401 105 0603	MT-GLAZE 10K JA 1/16W	L6201	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R891	401 105 2904	MT-GLAZE 22K JA 1/16W	DIODE		
R892	401 105 2904	MT-GLAZE 22K JA 1/16W	D1360	407 187 7905	ZENER DIODE UDZ9.1B-TE-17
R893	401 105 2904	MT-GLAZE 22K JA 1/16W	D1871	407 187 8209	ZENER DIODE UDZ12B-TE-17
R894	401 105 2904	MT-GLAZE 22K JA 1/16W	D1872	407 187 8209	ZENER DIODE UDZ12B-TE-17
R895	401 105 6001	MT-GLAZE 5.6K JA 1/16W	D1873	407 187 8209	ZENER DIODE UDZ12B-TE-17
R896	401 105 2904	MT-GLAZE 22K JA 1/16W	D1874	407 187 8209	ZENER DIODE UDZ12B-TE-17
R897	401 105 2904	MT-GLAZE 22K JA 1/16W	D1875	407 187 8209	ZENER DIODE UDZ12B-TE-17
R898	401 105 2904	MT-GLAZE 22K JA 1/16W	D1891	407 187 8209	ZENER DIODE UDZ12B-TE-17
R899	401 105 2904	MT-GLAZE 22K JA 1/16W	D1892	407 187 8209	ZENER DIODE UDZ12B-TE-17
COIL			D1893	407 187 8209	ZENER DIODE UDZ12B-TE-17
L101	645 026 1008	INDUCTOR, 3.3U M	D2502	407 149 0807	DIODE 1SS355-TE-17
L102	645 026 1008	INDUCTOR, 3.3U M	D2503	407 149 0807	DIODE 1SS355-TE-17

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
D801	407 092 9506	DIODE SB07-03C-TB	IC4003	409 350 3400	IC LT1253CS8
MISCELLANEOUS			IC6100	409 404 3509	IC CXA2076Q
X101	645 034 6118	OSC, CRYSTAL 20.250MHZ	IC6101	409 124 5708	IC L78M09T-TR
X3301	645 036 3788	OSC, CRISTAL, 16.000MHZ	IC6102	409 416 6505	IC BA05FP-E2
X3801	645 035 8906	OSC, CRYSTAL 48MHZ	IC6103	409 408 4205	IC TDA8395T/N3
X801	645 035 2249	OSC, CRYSTAL 6.7584MHZ	CAPACITOR		
610 281 1377ASSY,PWB,VIDEO M6VAA 1AA0B10C23400			C4001	403 162 4709	ELECT 10U M 16V
TRANSISTOR			C4003	403 012 6808	CERAMIC 15P J 50V
Q4000	405 134 5905	TR 2SA1037AK-T146-R	C4005	403 266 8207	NP-ELECT 10U M 16V
Q4001	405 014 4509	TR 2SC2412K T146 R	C4007	403 008 7406	CERAMIC 10P D 50V
	405 014 4608	TR 2SC2412K T146 S	C4008	403 192 5905	CERAMIC 0.1U K 25V
	405 015 8704	TR 2SC2812-L6-TB	C4009	403 175 3300	ELECT 47U M 16V
	405 015 8902	TR 2SC2812-L7-TB	C4023	403 175 4109	ELECT 22U M 16V
Q4002	405 014 4509	TR 2SC2412K T146 R	C4024	403 314 5905	CERAMIC 0.47U K 16V
	405 014 4608	TR 2SC2412K T146 S	C4027	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8704	TR 2SC2812-L6-TB	C4028	403 070 0909	CERAMIC 0.1U K 50V
	405 015 8902	TR 2SC2812-L7-TB	C4029	403 175 4109	ELECT 22U M 16V
Q4003	405 014 4509	TR 2SC2412K T146 R	C4030	403 070 2606	CERAMIC 0.1U Z 50V
	405 014 4608	TR 2SC2412K T146 S	C4031	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8704	TR 2SC2812-L6-TB	C4040	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8902	TR 2SC2812-L7-TB	C4041	403 269 5906	CERAMIC 0.22U K 16V
Q4004	405 134 5905	TR 2SA1037AK-T146-R	C4042	403 070 2606	CERAMIC 0.1U Z 50V
Q4005	405 014 4509	TR 2SC2412K T146 R	C4043	403 229 3508	ELECT 100U M 16V
	405 014 4608	TR 2SC2412K T146 S	C4044	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8704	TR 2SC2812-L6-TB	C4045	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8902	TR 2SC2812-L7-TB	C4046	403 229 3508	ELECT 100U M 16V
Q4006	405 014 4509	TR 2SC2412K T146 R	C4047	403 229 3508	ELECT 100U M 16V
	405 014 4608	TR 2SC2412K T146 S	C4048	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8704	TR 2SC2812-L6-TB	C4049	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8902	TR 2SC2812-L7-TB	C4050	403 229 3508	ELECT 100U M 16V
Q4007	405 014 4509	TR 2SC2412K T146 R	C4051	403 069 5601	CERAMIC 0.01U K 50V
	405 014 4608	TR 2SC2412K T146 S	C4052	403 011 4904	CERAMIC 120P J 50V
	405 015 8704	TR 2SC2812-L6-TB	C4054	403 014 9203	CERAMIC 180P J 50V
	405 015 8902	TR 2SC2812-L7-TB	C4055	403 069 5601	CERAMIC 0.01U K 50V
Q4008	405 014 4509	TR 2SC2412K T146 R	C4056	403 069 5601	CERAMIC 0.01U K 50V
	405 014 4608	TR 2SC2412K T146 S	C4058	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8704	TR 2SC2812-L6-TB	C4059	403 069 5601	CERAMIC 0.01U K 50V
	405 015 8902	TR 2SC2812-L7-TB	C4060	403 229 3508	ELECT 100U M 16V
Q4009	405 014 4509	TR 2SC2412K T146 R	C4061	403 069 5601	CERAMIC 0.01U K 50V
	405 014 4608	TR 2SC2412K T146 S	C4063	401 037 5608	MT-GLAZE 10K JA 1/10W
	405 015 8704	TR 2SC2812-L6-TB	C4064	403 009 5708	CERAMIC 100P J 50V
	405 015 8902	TR 2SC2812-L7-TB	C4065	403 022 8205	CERAMIC 33P J 50V
Q4010	405 014 4509	TR 2SC2412K T146 R	C4066	403 192 5905	CERAMIC 0.1U K 25V
	405 014 4608	TR 2SC2412K T146 S	C4068	403 192 5905	CERAMIC 0.1U K 25V
	405 015 8704	TR 2SC2812-L6-TB	C4069	403 175 3300	ELECT 47U M 16V
	405 015 8902	TR 2SC2812-L7-TB	C4082	403 008 7406	CERAMIC 10P D 50V
Q4011	405 134 5905	TR 2SA1037AK-T146-R	C4083	403 314 5905	CERAMIC 0.47U K 16V
Q4012	405 014 4509	TR 2SC2412K T146 R	C4084	403 314 5905	CERAMIC 0.47U K 16V
	405 014 4608	TR 2SC2412K T146 S	C4085	403 175 4109	ELECT 22U M 16V
	405 015 8704	TR 2SC2812-L6-TB	C6100	403 162 4709	ELECT 10U M 16V
	405 015 8902	TR 2SC2812-L7-TB	C6101	403 266 8207	NP-ELECT 10U M 16V
Q4013	405 134 5905	TR 2SA1037AK-T146-R	C6102	403 314 5905	CERAMIC 0.47U K 16V
Q4014	405 014 4509	TR 2SC2412K T146 R	C6103	403 266 8207	NP-ELECT 10U M 16V
	405 014 4608	TR 2SC2412K T146 S	C6104	403 314 5905	CERAMIC 0.47U K 16V
	405 015 8704	TR 2SC2812-L6-TB	C6105	403 314 5905	CERAMIC 0.47U K 16V
	405 015 8902	TR 2SC2812-L7-TB	C6106	403 073 7301	CERAMIC 470P K 50V
Q6100	405 134 5905	TR 2SA1037AK-T146-R	C6107	403 314 5905	CERAMIC 0.47U K 16V
INTEGRATED CIRCUIT			C6108	403 012 1100	CERAMIC 13P J 50V
IC4000	409 350 3400	IC LT1253CS8	C6109	403 012 1100	CERAMIC 13P J 50V
IC4001	409 051 2900	IC TC4053BF-TP1	C6110	403 192 5905	CERAMIC 0.1U K 25V
	409 211 7301	IC MC14053BFL	C6111	403 192 5905	CERAMIC 0.1U K 25V
IC4002	409 418 9504	IC TC9090AF	C6112	403 192 5905	CERAMIC 0.1U K 25V
			C6113	403 192 5905	CERAMIC 0.1U K 25V
			C6114	403 192 5905	CERAMIC 0.1U K 25V
			C6115	403 229 3508	ELECT 100U M 16V
			C6116	403 314 5905	CERAMIC 0.47U K 16V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C6117	403 069 9500	CERAMIC 0.01U Z 50V	R4048	401 037 5608	MT-GLAZE 10K JA 1/10W
C6118	403 069 9500	CERAMIC 0.01U Z 50V	R4049	401 037 5608	MT-GLAZE 10K JA 1/10W
C6119	403 069 9500	CERAMIC 0.01U Z 50V	R4050	401 037 5608	MT-GLAZE 10K JA 1/10W
C6120	403 069 5601	CERAMIC 0.01U K 50V	R4051	401 037 5608	MT-GLAZE 10K JA 1/10W
C6121	403 162 4709	ELECT 10U M 16V	R4052	401 037 5400	MT-GLAZE 1K JA 1/10W
C6122	403 192 5905	CERAMIC 0.1U K 25V	R4053	401 037 5608	MT-GLAZE 10K JA 1/10W
C6123	403 192 5905	CERAMIC 0.1U K 25V	R4054	401 037 5400	MT-GLAZE 1K JA 1/10W
C6124	403 192 5905	CERAMIC 0.1U K 25V	R4055	401 037 5608	MT-GLAZE 10K JA 1/10W
C6125	403 192 5905	CERAMIC 0.1U K 25V	R4056	401 037 5608	MT-GLAZE 10K JA 1/10W
C6126	403 073 9107	CERAMIC 4700P K 50V	R4060	401 037 7800	MT-GLAZE 150 JA 1/10W
C6127	403 162 6208	ELECT 1U M 50V	R4061	401 037 7800	MT-GLAZE 150 JA 1/10W
C6128	403 069 5601	CERAMIC 0.01U K 50V	R4062	401 037 7909	MT-GLAZE 1.5K JA 1/10W
C6129	403 314 5905	CERAMIC 0.47U K 16V	R4063	401 037 5608	MT-GLAZE 10K JA 1/10W
C6130	403 162 4709	ELECT 10U M 16V	R4064	401 037 5608	MT-GLAZE 10K JA 1/10W
C6131	403 314 5905	CERAMIC 0.47U K 16V	R4065	401 037 5202	MT-GLAZE 100 JA 1/10W
C6132	403 314 5905	CERAMIC 0.47U K 16V	R4066	401 039 0304	MT-GLAZE 820 JA 1/10W
C6133	403 069 5601	CERAMIC 0.01U K 50V	R4067	401 039 0403	MT-GLAZE 8.2K JA 1/10W
C6134	403 022 8205	CERAMIC 33P J 50V	R4068	401 037 6803	MT-GLAZE 12K JA 1/10W
C6135	403 314 5905	CERAMIC 0.47U K 16V	R4070	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6136	403 175 4109	ELECT 22U M 16V	R4072	401 038 6307	MT-GLAZE 470 JA 1/10W
C6140	403 229 3508	ELECT 100U M 16V	R4074	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6141	403 229 3508	ELECT 100U M 16V	R4075	401 037 5202	MT-GLAZE 100 JA 1/10W
C6142	403 229 3508	ELECT 100U M 16V	R4076	401 037 5400	MT-GLAZE 1K JA 1/10W
C6143	403 229 3508	ELECT 100U M 16V	R4077	401 037 5400	MT-GLAZE 1K JA 1/10W
C6150	403 192 5905	CERAMIC 0.1U K 25V	R4078	401 037 6803	MT-GLAZE 12K JA 1/10W
C6151	403 192 5905	CERAMIC 0.1U K 25V	R4079	401 038 5102	MT-GLAZE 3.9K JA 1/10W
C6152	403 162 4709	ELECT 10U M 16V	R4080	401 037 5400	MT-GLAZE 1K JA 1/10W
C6153	403 314 5905	CERAMIC 0.47U K 16V	R4081	401 038 7601	MT-GLAZE 560 JA 1/10W
C6154	403 192 5905	CERAMIC 0.1U K 25V	R4082	401 037 6704	MT-GLAZE 1.2K JA 1/10W
RESISTOR			R4083	401 038 6307	MT-GLAZE 470 JA 1/10W
R4000	401 037 5202	MT-GLAZE 100 JA 1/10W	R4084	401 037 5400	MT-GLAZE 1K JA 1/10W
R4001	401 037 5400	MT-GLAZE 1K JA 1/10W	R4085	401 038 0800	MT-GLAZE 22K JA 1/10W
R4002	401 112 7602	MT-GLAZE 1K FA 1/10W	R4086	401 037 5400	MT-GLAZE 1K JA 1/10W
R4003	401 112 7602	MT-GLAZE 1K FA 1/10W	R4090	401 037 5608	MT-GLAZE 10K JA 1/10W
R4004	401 111 5005	MT-GLAZE 100K FA 1/10W	R4091	401 037 5608	MT-GLAZE 10K JA 1/10W
R4005	401 037 5400	MT-GLAZE 1K JA 1/10W	R4094	401 037 5608	MT-GLAZE 10K JA 1/10W
R4006	401 100 5207	MT-GLAZE 15K FA 1/10W	R4095	401 037 5400	MT-GLAZE 1K JA 1/10W
R4007	401 037 5400	MT-GLAZE 1K JA 1/10W	R4096	401 037 5608	MT-GLAZE 10K JA 1/10W
R4008	401 037 5400	MT-GLAZE 1K JA 1/10W	R4097	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R4009	401 092 3304	MT-GLAZE 1.2K FA 1/10W	R6100	401 037 8005	MT-GLAZE 15K JA 1/10W
R4010	401 092 2604	MT-GLAZE 3K FA 1/10W	R6101	401 038 7601	MT-GLAZE 560 JA 1/10W
R4013	401 037 5400	MT-GLAZE 1K JA 1/10W	R6102	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R4014	401 037 5400	MT-GLAZE 1K JA 1/10W	R6103	401 037 5103	MT-GLAZE 10 JA 1/10W
R4016	401 112 7602	MT-GLAZE 1K FA 1/10W	R6104	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R4017	401 111 5005	MT-GLAZE 100K FA 1/10W	R6105	401 038 6307	MT-GLAZE 470 JA 1/10W
R4018	401 038 5300	MT-GLAZE 39K JA 1/10W	R6106	401 037 5608	MT-GLAZE 10K JA 1/10W
R4019	401 037 5400	MT-GLAZE 1K JA 1/10W	R6107	401 037 5103	MT-GLAZE 10 JA 1/10W
R4020	645 021 1706	INDUCTOR, 33U J	R6108	401 038 3801	MT-GLAZE 330K JA 1/10W
R4021	401 038 6505	MT-GLAZE 47K JA 1/10W	R6109	401 037 7800	MT-GLAZE 150 JA 1/10W
R4022	401 150 4403	MT-GLAZE 12K FA 1/10W	R6110	401 038 6307	MT-GLAZE 470 JA 1/10W
R4023	401 092 1904	MT-GLAZE 2.7K FA 1/10W	R6111	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R4024	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6112	401 037 5400	MT-GLAZE 1K JA 1/10W
R4025	401 037 5202	MT-GLAZE 100 JA 1/10W	R6113	401 037 5202	MT-GLAZE 100 JA 1/10W
R4030	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6114	401 037 5202	MT-GLAZE 100 JA 1/10W
R4031	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6115	401 037 5608	MT-GLAZE 10K JA 1/10W
R4032	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6116	401 037 5608	MT-GLAZE 10K JA 1/10W
R4038	401 038 6307	MT-GLAZE 470 JA 1/10W	R6120	401 037 7800	MT-GLAZE 150 JA 1/10W
R4039	401 037 5400	MT-GLAZE 1K JA 1/10W	R6121	401 037 5608	MT-GLAZE 10K JA 1/10W
R4040	401 038 6307	MT-GLAZE 470 JA 1/10W	R6122	401 037 5608	MT-GLAZE 10K JA 1/10W
R4041	401 037 5400	MT-GLAZE 1K JA 1/10W	R6123	401 037 5608	MT-GLAZE 10K JA 1/10W
R4042	401 037 5400	MT-GLAZE 1K JA 1/10W	R6124	401 037 5608	MT-GLAZE 10K JA 1/10W
R4043	401 037 5202	MT-GLAZE 100 JA 1/10W	R6125	401 037 5608	MT-GLAZE 10K JA 1/10W
R4044	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6140	401 183 8300	MT-GLAZE 120 JA 1W
R4045	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6148	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4046	401 037 5608	MT-GLAZE 10K JA 1/10W	R6150	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R4047	401 037 5608	MT-GLAZE 10K JA 1/10W	R6151	401 183 8300	MT-GLAZE 120 JA 1W
			R6152	401 183 8300	MT-GLAZE 120 JA 1W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R6153	401 183 8300	MT-GLAZE 120 JA 1W		405 014 4608	TR 2SC2412K T146 S
COIL				405 015 8704	TR 2SC2812-L6-TB
L4000	645 025 6066	FILTER,LP 7MHZ	Q5112	405 015 8902	TR 2SC2812-L7-TB
L4001	645 021 1706	INDUCTOR,33U J		405 014 4509	TR 2SC2412K T146 R
L4002	645 025 6066	FILTER,LP 7MHZ		405 014 4608	TR 2SC2412K T146 S
L4003	645 020 1776	INDUCTOR,3.3U M		405 015 8704	TR 2SC2812-L6-TB
L4010	645 026 1008	INDUCTOR,3.3U M	Q5141	405 015 8902	TR 2SC2812-L7-TB
L4011	645 026 1008	INDUCTOR,3.3U M		405 014 4509	TR 2SC2412K T146 R
L4012	645 026 1008	INDUCTOR,3.3U M		405 014 4608	TR 2SC2412K T146 S
L4013	645 026 1008	INDUCTOR,3.3U M		405 015 8704	TR 2SC2812-L6-TB
L4014	645 021 1751	INDUCTOR,56U J	Q5142	405 015 8902	TR 2SC2812-L7-TB
L4015	645 021 1751	INDUCTOR,56U J		405 014 4509	TR 2SC2412K T146 R
DIODE				405 014 4608	TR 2SC2412K T146 S
D6140	407 187 8605	ZENER DIODE UDZ20B-TE-17		405 015 8704	TR 2SC2812-L6-TB
D6141	407 149 0807	DIODE 1SS355-TE-17	Q5156	405 015 8902	TR 2SC2812-L7-TB
D6143	407 149 0807	DIODE 1SS355-TE-17		405 014 4509	TR 2SC2412K T146 R
D6150	407 149 0807	DIODE 1SS355-TE-17		405 014 4608	TR 2SC2412K T146 S
MISCELLANEOUS				405 015 8704	TR 2SC2812-L6-TB
X6100	645 024 8535	OSC,CERAMIC 500.0KHZ	Q5157	405 015 8902	TR 2SC2812-L7-TB
X6101	645 036 0589	OSC,CRYSTAL 4.433619MHZ		405 014 4509	TR 2SC2412K T146 R
X6102	645 036 0596	OSC,CRYSTAL 3.579545MHZ		405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
			Q5158	405 015 8902	TR 2SC2812-L7-TB
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
610 281 5405ASSY,PWB,INTERFACE-M6VAA 1AA0B10C2370A			INTEGRATED CIRCUIT		
TRANSISTOR			IC2131	409 407 7900	IC EL4332CS
Q2151	405 014 4509	TR 2SC2412K T146 R	IC2151	409 407 7900	IC EL4332CS
	405 014 4608	TR 2SC2412K T146 S	IC2801	410 296 5700	IC TWM7000-151020
	405 015 8704	TR 2SC2812-L6-TB	IC2802	410 275 5707	IC TWM7000-162020
	405 015 8902	TR 2SC2812-L7-TB		410 275 5806	IC TWM7000-162020
Q2152	405 014 4509	TR 2SC2412K T146 R	IC2803	409 380 6303	IC HIN232CB
	405 014 4608	TR 2SC2412K T146 S		409 273 3501	IC SP232ACT
	405 015 8704	TR 2SC2812-L6-TB	IC2851	410 296 5700	IC TWM7000-151020
	405 015 8902	TR 2SC2812-L7-TB	IC2852	410 275 5707	IC TWM7000-162020
Q2153	405 014 4509	TR 2SC2412K T146 R		410 275 5806	IC TWM7000-162020
	405 014 4608	TR 2SC2412K T146 S	IC2871	410 296 2402	IC TMP47C101M-JV45
	405 015 8704	TR 2SC2812-L6-TB	IC2872	409 344 1900	IC MN1382-Q-TX
	405 015 8902	TR 2SC2812-L7-TB	IC2891	409 380 6303	IC HIN232CB
Q2154	405 014 4509	TR 2SC2412K T146 R		409 273 3501	IC SP232ACT
	405 014 4608	TR 2SC2412K T146 S	IC4131	409 407 7900	IC EL4332CS
	405 015 8704	TR 2SC2812-L6-TB	IC4141	409 417 1400	IC CXA2016S
	405 015 8902	TR 2SC2812-L7-TB	IC4161	409 330 2508	IC TC7SH04FU-(TE85L)
Q2155	405 014 4509	TR 2SC2412K T146 R		410 356 7606	IC SN74AHC1G04HDCR
	405 014 4608	TR 2SC2412K T146 S	IC4162	409 330 2508	IC TC7SH04FU-(TE85L)
	405 015 8704	TR 2SC2812-L6-TB		410 356 7606	IC SN74AHC1G04HDCR
	405 015 8902	TR 2SC2812-L7-TB	IC4163	409 368 5809	IC TC7SH08FU(TE85L)
Q4161	405 014 4509	TR 2SC2412K T146 R		410 356 7903	IC SN74AHC1G08HDCR
	405 014 4608	TR 2SC2412K T146 S	IC4171	409 202 1400	IC MC14538BF-L1
	405 015 8704	TR 2SC2812-L6-TB	IC4176	409 153 5601	IC MC74F244M
	405 015 8902	TR 2SC2812-L7-TB		409 451 4108	IC SN74F244NSR
Q4181	405 014 4509	TR 2SC2412K T146 R	IC5101	409 051 2702	IC TC4052BF-TP1
	405 014 4608	TR 2SC2412K T146 S	IC5121	409 421 8808	IC M62420FP
	405 015 8704	TR 2SC2812-L6-TB	IC5191	409 390 6201	IC EL2244CS
	405 015 8902	TR 2SC2812-L7-TB	IC5301	409 445 7405	IC SII151CT100
Q4196	405 014 4509	TR 2SC2412K T146 R	IC5302	410 343 7008	IC SN74AHC1G14DBVR
	405 014 4608	TR 2SC2412K T146 S	IC5303	410 344 7205	IC SN74LVC374ANSR
	405 015 8704	TR 2SC2812-L6-TB	CAPACITOR		
	405 015 8902	TR 2SC2812-L7-TB	C2131	403 069 9500	CERAMIC 0.01U Z 50V
Q5110	405 014 4509	TR 2SC2412K T146 R	C2132	403 069 9500	CERAMIC 0.01U Z 50V
	405 014 4608	TR 2SC2412K T146 S	C2133	403 069 9500	CERAMIC 0.01U Z 50V
	405 015 8704	TR 2SC2812-L6-TB	C2134	403 162 4006	ELECT 22U M 6.3V
	405 015 8902	TR 2SC2812-L7-TB	C2139	403 280 0805	ELECT 330U M 6.3V
Q5111	405 014 4509	TR 2SC2412K T146 R	C2141	403 280 0805	ELECT 330U M 6.3V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C2142	403 280 0805	ELECT 330U M 6.3V	C4183	403 192 5905	CERAMIC 0.1U K 25V
C2151	403 175 3300	ELECT 47U M 16V	C4191	403 014 9203	CERAMIC 180P J 50V
C2152	403 175 3300	ELECT 47U M 16V	C4192	403 014 9203	CERAMIC 180P J 50V
C2153	403 175 3300	ELECT 47U M 16V	C4193	403 070 5508	CERAMIC 1200P K 50V
C2154	403 069 9500	CERAMIC 0.01U Z 50V	C4194	403 070 5508	CERAMIC 1200P K 50V
C2155	403 069 9500	CERAMIC 0.01U Z 50V	C4196	403 162 6000	ELECT 0.47U M 50V
C2156	403 192 5905	CERAMIC 0.1U K 25V	C5101	403 205 7803	TA-SOLID 2.2U M 16V
C2157	403 192 5905	CERAMIC 0.1U K 25V	C5102	403 205 7803	TA-SOLID 2.2U M 16V
C2158	403 162 4006	ELECT 22U M 6.3V	C5103	403 205 7803	TA-SOLID 2.2U M 16V
C2171	403 028 4102	CERAMIC 56P J 50V	C5106	403 205 7803	TA-SOLID 2.2U M 16V
C2172	403 028 4102	CERAMIC 56P J 50V	C5112	403 280 1604	ELECT 220U M 16V
C2173	403 028 4102	CERAMIC 56P J 50V	C5113	403 314 5905	CERAMIC 0.47U K 16V
C2193	403 316 5408	CERAMIC 1U K 10V	C5114	403 314 5905	CERAMIC 0.47U K 16V
C2194	403 069 9500	CERAMIC 0.01U Z 50V	C5115	403 205 7803	TA-SOLID 2.2U M 16V
C2195	403 316 5408	CERAMIC 1U K 10V	C5116	403 205 7803	TA-SOLID 2.2U M 16V
C2196	403 069 9500	CERAMIC 0.01U Z 50V	C5117	403 205 7803	TA-SOLID 2.2U M 16V
C2801	403 316 5408	CERAMIC 1U K 10V	C5120	403 280 1604	ELECT 220U M 16V
C2803	403 316 5408	CERAMIC 1U K 10V	C5121	403 280 1604	ELECT 220U M 16V
C2804	403 316 5408	CERAMIC 1U K 10V	C5122	403 267 0606	NP-ELECT 4.7U M 16V
C2808	403 162 6208	ELECT 1U M 50V	C5123	403 072 1607	CERAMIC 0.022U K 50V
C2811	403 162 6208	ELECT 1U M 50V	C5124	403 314 5905	CERAMIC 0.47U K 16V
C2812	403 162 6208	ELECT 1U M 50V	C5125	403 073 1200	CERAMIC 0.033U K 50V
C2813	403 162 6208	ELECT 1U M 50V	C5130	403 069 9500	CERAMIC 0.01U Z 50V
C2814	403 162 6208	ELECT 1U M 50V	C5131	403 175 3300	ELECT 47U M 16V
C2816	403 316 5408	CERAMIC 1U K 10V	C5132	403 069 9500	CERAMIC 0.01U Z 50V
C2820	403 316 5408	CERAMIC 1U K 10V	C5134	403 073 1200	CERAMIC 0.033U K 50V
C2851	403 175 4505	ELECT 47U M 6.3V	C5135	403 314 5905	CERAMIC 0.47U K 16V
C2852	403 316 5408	CERAMIC 1U K 10V	C5136	403 072 1607	CERAMIC 0.022U K 50V
C2853	403 316 5408	CERAMIC 1U K 10V	C5137	403 280 1604	ELECT 220U M 16V
C2854	403 316 5408	CERAMIC 1U K 10V	C5138	403 069 9500	CERAMIC 0.01U Z 50V
C2858	403 162 6208	ELECT 1U M 50V	C5139	403 280 1604	ELECT 220U M 16V
C2860	403 316 5408	CERAMIC 1U K 10V	C5140	403 267 0606	NP-ELECT 4.7U M 16V
C2872	403 316 5408	CERAMIC 1U K 10V	C5141	403 314 5905	CERAMIC 0.47U K 16V
C2873	403 316 5408	CERAMIC 1U K 10V	C5151	403 162 4709	ELECT 10U M 16V
C2891	403 162 6208	ELECT 1U M 50V	C5152	403 162 4709	ELECT 10U M 16V
C2892	403 162 6208	ELECT 1U M 50V	C5153	403 069 1702	CERAMIC 1000P K 50V
C2893	403 162 6208	ELECT 1U M 50V	C5154	403 069 1702	CERAMIC 1000P K 50V
C2894	403 162 6208	ELECT 1U M 50V	C5191	403 008 7406	CERAMIC 10P D 50V
C4126	403 192 5905	CERAMIC 0.1U K 25V	C5193	403 008 7406	CERAMIC 10P D 50V
C4127	403 069 5601	CERAMIC 0.01U K 50V	C5301	403 175 3904	ELECT 10U M 25V
C4128	403 175 4505	ELECT 47U M 6.3V	C5302	403 175 3904	ELECT 10U M 25V
C4129	403 069 9500	CERAMIC 0.01U Z 50V	C5303	403 070 2606	CERAMIC 0.1U Z 50V
C4131	403 267 0606	NP-ELECT 4.7U M 16V	C5304	403 009 5708	CERAMIC 100P J 50V
C4132	403 267 0606	NP-ELECT 4.7U M 16V	C5306	403 009 5708	CERAMIC 100P J 50V
C4133	403 267 0606	NP-ELECT 4.7U M 16V	C5307	403 009 5708	CERAMIC 100P J 50V
C4134	403 267 0606	NP-ELECT 4.7U M 16V	C5308	403 009 5708	CERAMIC 100P J 50V
C4135	403 069 9500	CERAMIC 0.01U Z 50V	C5309	403 023 4404	CERAMIC 330P J 50V
C4136	403 069 9500	CERAMIC 0.01U Z 50V	C5312	403 070 2606	CERAMIC 0.1U Z 50V
C4137	403 069 9500	CERAMIC 0.01U Z 50V	C5313	403 023 4404	CERAMIC 330P J 50V
C4143	403 192 5905	CERAMIC 0.1U K 25V	C5314	403 023 4404	CERAMIC 330P J 50V
C4144	403 162 4709	ELECT 10U M 16V	C5316	403 023 4404	CERAMIC 330P J 50V
C4151	403 162 6604	ELECT 2.2U M 50V	C5317	403 023 4404	CERAMIC 330P J 50V
C4152	403 269 5906	CERAMIC 0.22U K 16V	C5318	403 229 3508	ELECT 100U M 16V
C4153	403 269 5906	CERAMIC 0.22U K 16V	C5319	403 070 2606	CERAMIC 0.1U Z 50V
C4154	403 162 6208	ELECT 1U M 50V	C5323	403 009 5708	CERAMIC 100P J 50V
C4155	403 192 5905	CERAMIC 0.1U K 25V	C5324	403 070 2606	CERAMIC 0.1U Z 50V
C4156	403 269 5906	CERAMIC 0.22U K 16V	C5326	403 175 3904	ELECT 10U M 25V
C4157	403 267 0606	NP-ELECT 4.7U M 16V	C5327	403 070 2606	CERAMIC 0.1U Z 50V
C4158	403 192 5905	CERAMIC 0.1U K 25V	C5328	403 014 9203	CERAMIC 180P J 50V
C4161	403 069 9500	CERAMIC 0.01U Z 50V	C5329	403 014 9203	CERAMIC 180P J 50V
C4162	403 162 4709	ELECT 10U M 16V	C5330	403 014 9203	CERAMIC 180P J 50V
C4171	403 314 5905	CERAMIC 0.47U K 16V	RESISTOR		
C4173	403 162 4709	ELECT 10U M 16V	RB2881	645 025 5380	R-NETWORK 10KX4 1/16W
C4174	403 069 9500	CERAMIC 0.01U Z 50V		645 026 8014	R-NETWORK 10KX4 1/16W
C4176	403 030 6903	CERAMIC 68P J 50V	RB5321	645 028 5998	R-NETWORK 10X4 1/16W
C4181	403 069 9500	CERAMIC 0.01U Z 50V	RB5322	645 028 5998	R-NETWORK 10X4 1/16W
C4182	403 069 9500	CERAMIC 0.01U Z 50V			

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
RB5331	645 028 5998	R-NETWORK 10X4 1/16W	R2184	401 038 9506	MT-GLAZE 75 JA 1/10W
RB5332	645 028 5998	R-NETWORK 10X4 1/16W	R2186	401 038 9506	MT-GLAZE 75 JA 1/10W
RB5341	645 028 5998	R-NETWORK 10X4 1/16W	R2192	401 276 4707	MT-GLAZE 0.000 ZA 1/3W
RB5344	645 028 5998	R-NETWORK 10X4 1/16W	R2800	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
RB5346	645 028 5998	R-NETWORK 10X4 1/16W	R2801	401 037 5608	MT-GLAZE 10K JA 1/10W
RB5356	645 028 5998	R-NETWORK 10X4 1/16W	R2802	401 037 5608	MT-GLAZE 10K JA 1/10W
RB5357	645 028 5998	R-NETWORK 10X4 1/16W	R2803	401 037 5608	MT-GLAZE 10K JA 1/10W
RB5366	645 028 5998	R-NETWORK 10X4 1/16W	R2804	401 037 5608	MT-GLAZE 10K JA 1/10W
RB5367	645 028 5998	R-NETWORK 10X4 1/16W	R2805	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
RB5376	645 028 5998	R-NETWORK 10X4 1/16W	R2806	401 037 5608	MT-GLAZE 10K JA 1/10W
RB5377	645 028 5998	R-NETWORK 10X4 1/16W	R2807	401 037 5608	MT-GLAZE 10K JA 1/10W
R2101	401 147 7707	MT-GLAZE 150 FA 1/10W	R2808	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2102	401 147 7707	MT-GLAZE 150 FA 1/10W	R2809	401 037 5202	MT-GLAZE 100 JA 1/10W
R2103	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2810	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2104	401 147 7707	MT-GLAZE 150 FA 1/10W	R2811	401 037 5608	MT-GLAZE 10K JA 1/10W
R2105	401 147 7707	MT-GLAZE 150 FA 1/10W	R2812	401 037 5608	MT-GLAZE 10K JA 1/10W
R2106	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2814	401 037 5608	MT-GLAZE 10K JA 1/10W
R2107	401 147 7707	MT-GLAZE 150 FA 1/10W	R2815	401 037 5202	MT-GLAZE 100 JA 1/10W
R2108	401 147 7707	MT-GLAZE 150 FA 1/10W	R2816	401 037 5608	MT-GLAZE 10K JA 1/10W
R2109	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2818	401 037 5608	MT-GLAZE 10K JA 1/10W
R2111	401 147 7707	MT-GLAZE 150 FA 1/10W	R2819	401 038 3702	MT-GLAZE 33K JA 1/10W
R2112	401 147 7707	MT-GLAZE 150 FA 1/10W	R2850	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2113	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2851	401 037 5608	MT-GLAZE 10K JA 1/10W
R2114	401 147 7707	MT-GLAZE 150 FA 1/10W	R2852	401 037 5608	MT-GLAZE 10K JA 1/10W
R2115	401 147 7707	MT-GLAZE 150 FA 1/10W	R2853	401 037 5608	MT-GLAZE 10K JA 1/10W
R2116	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2854	401 037 5608	MT-GLAZE 10K JA 1/10W
R2117	401 147 7707	MT-GLAZE 150 FA 1/10W	R2855	401 037 5608	MT-GLAZE 10K JA 1/10W
R2118	401 147 7707	MT-GLAZE 150 FA 1/10W	R2856	401 037 5608	MT-GLAZE 10K JA 1/10W
R2119	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2857	401 037 5202	MT-GLAZE 100 JA 1/10W
R2131	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2859	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2132	401 037 7800	MT-GLAZE 150 JA 1/10W	R2861	401 037 5608	MT-GLAZE 10K JA 1/10W
R2133	401 037 7800	MT-GLAZE 150 JA 1/10W	R2862	401 037 5608	MT-GLAZE 10K JA 1/10W
R2134	401 037 7800	MT-GLAZE 150 JA 1/10W	R2863	401 037 5202	MT-GLAZE 100 JA 1/10W
R2135	401 037 7800	MT-GLAZE 150 JA 1/10W	R2864	401 037 5608	MT-GLAZE 10K JA 1/10W
R2136	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2866	401 037 5608	MT-GLAZE 10K JA 1/10W
R2137	401 092 2109	MT-GLAZE 100 FA 1/10W	R2868	401 037 5608	MT-GLAZE 10K JA 1/10W
R2138	401 092 2109	MT-GLAZE 100 FA 1/10W	R2869	401 038 3702	MT-GLAZE 33K JA 1/10W
R2140	401 279 3905	MT-GLAZE 39 JA 1/3W	R2870	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2141	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2871	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2142	401 037 7800	MT-GLAZE 150 JA 1/10W	R2872	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2143	401 037 7800	MT-GLAZE 150 JA 1/10W	R2873	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2144	401 037 5202	MT-GLAZE 100 JA 1/10W	R2882	401 037 5608	MT-GLAZE 10K JA 1/10W
R2146	401 158 3705	MT-GLAZE 75 FA 1/10W	R2883	401 037 5608	MT-GLAZE 10K JA 1/10W
R2147	401 158 3705	MT-GLAZE 75 FA 1/10W	R2884	401 037 5608	MT-GLAZE 10K JA 1/10W
R2148	401 158 3705	MT-GLAZE 75 FA 1/10W	R2895	401 037 5202	MT-GLAZE 100 JA 1/10W
R2151	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R4102	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2152	401 037 5400	MT-GLAZE 1K JA 1/10W	R4105	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2153	401 037 5202	MT-GLAZE 100 JA 1/10W	R4112	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2154	401 092 2109	MT-GLAZE 100 FA 1/10W	R4115	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2155	401 092 2109	MT-GLAZE 100 FA 1/10W	R4123	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2156	401 037 5202	MT-GLAZE 100 JA 1/10W	R4129	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R2157	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R4131	401 037 5202	MT-GLAZE 100 JA 1/10W
R2158	401 037 5400	MT-GLAZE 1K JA 1/10W	R4132	401 037 5202	MT-GLAZE 100 JA 1/10W
R2159	401 037 5608	MT-GLAZE 10K JA 1/10W	R4133	401 037 5202	MT-GLAZE 100 JA 1/10W
R2161	401 092 2109	MT-GLAZE 100 FA 1/10W	R4134	401 037 5202	MT-GLAZE 100 JA 1/10W
R2162	401 092 2109	MT-GLAZE 100 FA 1/10W	R4136	401 037 5202	MT-GLAZE 100 JA 1/10W
R2163	401 037 5202	MT-GLAZE 100 JA 1/10W	R4137	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2164	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R4139	401 037 7800	MT-GLAZE 150 JA 1/10W
R2165	401 037 5400	MT-GLAZE 1K JA 1/10W	R4146	401 037 5202	MT-GLAZE 100 JA 1/10W
R2166	401 038 0800	MT-GLAZE 22K JA 1/10W	R4148	401 038 0503	MT-GLAZE 22 JA 1/10W
R2167	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R4149	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2171	401 037 5608	MT-GLAZE 10K JA 1/10W	R4150	401 150 4403	MT-GLAZE 12K FA 1/10W
R2172	401 037 5608	MT-GLAZE 10K JA 1/10W	R4153	401 038 3702	MT-GLAZE 33K JA 1/10W
R2173	401 037 5608	MT-GLAZE 10K JA 1/10W	R4155	401 038 0602	MT-GLAZE 220 JA 1/10W
R2174	401 037 5608	MT-GLAZE 10K JA 1/10W	R4156	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2175	401 037 5400	MT-GLAZE 1K JA 1/10W	R4157	401 037 7800	MT-GLAZE 150 JA 1/10W
R2182	401 038 9506	MT-GLAZE 75 JA 1/10W	R4158	401 037 7800	MT-GLAZE 150 JA 1/10W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R4159	401 150 4403	MT-GLAZE 12K FA 1/10W	R5171	401 038 6604	MT-GLAZE 470K JA 1/10W
R4161	401 037 5202	MT-GLAZE 100 JA 1/10W	R5172	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4162	401 037 5608	MT-GLAZE 10K JA 1/10W	R5173	401 038 6604	MT-GLAZE 470K JA 1/10W
R4163	401 037 5202	MT-GLAZE 100 JA 1/10W	R5174	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4164	401 037 5608	MT-GLAZE 10K JA 1/10W	R5181	401 037 5707	MT-GLAZE 100K JA 1/10W
R4165	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R5182	401 037 5202	MT-GLAZE 100 JA 1/10W
R4166	401 037 5400	MT-GLAZE 1K JA 1/10W	R5183	401 037 5707	MT-GLAZE 100K JA 1/10W
R4167	401 037 5400	MT-GLAZE 1K JA 1/10W	R5184	401 037 5202	MT-GLAZE 100 JA 1/10W
R4168	401 037 5103	MT-GLAZE 10 JA 1/10W	R5191	401 037 5400	MT-GLAZE 1K JA 1/10W
R4171	401 037 5707	MT-GLAZE 100K JA 1/10W	R5192	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R4172	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5193	401 037 5400	MT-GLAZE 1K JA 1/10W
R4173	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R5194	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R4176	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5301	401 038 1807	MT-GLAZE 27 JA 1/10W
R4177	401 037 5608	MT-GLAZE 10K JA 1/10W	R5303	401 038 3702	MT-GLAZE 33K JA 1/10W
R4178	401 037 5202	MT-GLAZE 100 JA 1/10W	R5304	401 038 3702	MT-GLAZE 33K JA 1/10W
R4179	401 037 5202	MT-GLAZE 100 JA 1/10W	R5305	401 038 6307	MT-GLAZE 470 JA 1/10W
R4181	401 037 5608	MT-GLAZE 10K JA 1/10W	R5306	401 038 3702	MT-GLAZE 33K JA 1/10W
R4182	401 037 5202	MT-GLAZE 100 JA 1/10W	R5307	401 038 3702	MT-GLAZE 33K JA 1/10W
R4183	401 037 5608	MT-GLAZE 10K JA 1/10W	R5309	401 038 3702	MT-GLAZE 33K JA 1/10W
R4184	401 037 5608	MT-GLAZE 10K JA 1/10W	R5310	401 037 5103	MT-GLAZE 10 JA 1/10W
R4185	401 037 5400	MT-GLAZE 1K JA 1/10W	R5316	401 038 3702	MT-GLAZE 33K JA 1/10W
R4186	401 038 0800	MT-GLAZE 22K JA 1/10W	R5317	401 038 3702	MT-GLAZE 33K JA 1/10W
R4187	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R5319	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4198	401 037 5707	MT-GLAZE 100K JA 1/10W	R5354	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4199	401 038 0909	MT-GLAZE 220K JA 1/10W	R5355	401 038 3405	MT-GLAZE 33 JA 1/10W
R5101	401 037 5707	MT-GLAZE 100K JA 1/10W	R5391	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R5102	401 037 5707	MT-GLAZE 100K JA 1/10W	R5396	401 037 5400	MT-GLAZE 1K JA 1/10W
R5103	401 037 5707	MT-GLAZE 100K JA 1/10W	R6041	401 037 5202	MT-GLAZE 100 JA 1/10W
R5106	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R6051	401 037 5202	MT-GLAZE 100 JA 1/10W
R5107	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R6052	401 036 1205	MT-GLAZE 22 JA 1/8W
R5110	401 038 0800	MT-GLAZE 22K JA 1/10W	R6053	401 036 1205	MT-GLAZE 22 JA 1/8W
R5111	401 037 5608	MT-GLAZE 10K JA 1/10W	R6061	401 037 5202	MT-GLAZE 100 JA 1/10W
R5112	401 037 5608	MT-GLAZE 10K JA 1/10W	R6062	401 036 1205	MT-GLAZE 22 JA 1/8W
R5113	401 037 5202	MT-GLAZE 100 JA 1/10W	R6063	401 036 1205	MT-GLAZE 22 JA 1/8W
R5114	401 037 5202	MT-GLAZE 100 JA 1/10W	R6081	401 037 5202	MT-GLAZE 100 JA 1/10W
R5115	401 037 5707	MT-GLAZE 100K JA 1/10W	R6082	401 037 5608	MT-GLAZE 10K JA 1/10W
R5116	401 037 5707	MT-GLAZE 100K JA 1/10W	R6083	401 038 3504	MT-GLAZE 330 JA 1/10W
R5117	401 037 5707	MT-GLAZE 100K JA 1/10W			
R5120	401 037 5608	MT-GLAZE 10K JA 1/10W			
R5122	401 038 0800	MT-GLAZE 22K JA 1/10W			
R5126	401 037 9200	MT-GLAZE 1.8K JA 1/10W			
R5127	401 038 0602	MT-GLAZE 220 JA 1/10W			
R5128	401 038 0602	MT-GLAZE 220 JA 1/10W			
R5129	401 038 5003	MT-GLAZE 390 JA 1/10W			
R5131	401 037 5707	MT-GLAZE 100K JA 1/10W			
R5132	401 037 7909	MT-GLAZE 1.5K JA 1/10W			
R5133	401 037 9200	MT-GLAZE 1.8K JA 1/10W			
R5136	401 038 6406	MT-GLAZE 4.7K JA 1/10W			
R5137	401 038 6406	MT-GLAZE 4.7K JA 1/10W			
R5141	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			
R5142	401 038 7700	MT-GLAZE 5.6K JA 1/10W			
R5143	401 037 5202	MT-GLAZE 100 JA 1/10W			
R5144	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			
R5145	401 038 7700	MT-GLAZE 5.6K JA 1/10W			
R5146	401 037 5202	MT-GLAZE 100 JA 1/10W			
R5149	401 038 5003	MT-GLAZE 390 JA 1/10W			
R5151	401 038 6208	MT-GLAZE 47 JA 1/10W			
R5152	401 038 9001	MT-GLAZE 680 JA 1/10W			
R5153	401 038 6208	MT-GLAZE 47 JA 1/10W			
R5154	401 038 9001	MT-GLAZE 680 JA 1/10W			
R5156	401 037 5608	MT-GLAZE 10K JA 1/10W			
R5157	401 038 7700	MT-GLAZE 5.6K JA 1/10W			
R5158	401 038 6307	MT-GLAZE 470 JA 1/10W			
R5161	401 038 6604	MT-GLAZE 470K JA 1/10W			
R5162	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			
R5163	401 038 6604	MT-GLAZE 470K JA 1/10W			
R5164	401 037 5004	MT-GLAZE 0.000 ZA 1/10W			

COIL

L2121	645 002 3910	FILTER,EMI 100MHZ
L2122	645 002 3910	FILTER,EMI 100MHZ
L2123	645 002 3910	FILTER,EMI 100MHZ
L2191	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L2851	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L4101	645 025 0637	FILTER,EMI 190PF
L4102	645 025 0637	FILTER,EMI 190PF
L4111	645 025 0637	FILTER,EMI 190PF
L4112	645 025 0637	FILTER,EMI 190PF
L4121	645 014 2659	FILTER,EMI 10MHZ
L4122	645 014 2659	FILTER,EMI 10MHZ
L5161	645 014 2659	FILTER,EMI 10MHZ
L5162	645 014 2659	FILTER,EMI 10MHZ
L5173	645 014 2659	FILTER,EMI 10MHZ
L5174	645 014 2659	FILTER,EMI 10MHZ
L5181	645 014 2659	FILTER,EMI 10MHZ
L5182	645 014 2659	FILTER,EMI 10MHZ
L5301	645 026 0988	INDUCTOR, 2.2U M
L5302	645 026 0988	INDUCTOR, 2.2U M
L5304	645 026 0988	INDUCTOR, 2.2U M
L5306	645 026 0988	INDUCTOR, 2.2U M
L6001	645 014 2659	FILTER,EMI 10MHZ
L6002	645 014 2659	FILTER,EMI 10MHZ
L6003	645 014 2659	FILTER,EMI 10MHZ
L6004	645 014 2659	FILTER,EMI 10MHZ
L6005	645 014 2659	FILTER,EMI 10MHZ
L6006	645 014 2659	FILTER,EMI 10MHZ
L6007	645 014 2659	FILTER,EMI 10MHZ

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L6008	645 014 2659	FILTER,EMI 10MHZ	D5164	407 209 1201	ZD UDZS-TE-176.2B
L6009	645 014 2659	FILTER,EMI 10MHZ	D5171	407 209 1201	ZD UDZS-TE-176.2B
L6011	645 014 2659	FILTER,EMI 10MHZ	D5172	407 209 1201	ZD UDZS-TE-176.2B
L6021	645 014 2659	FILTER,EMI 10MHZ	D5173	407 209 1201	ZD UDZS-TE-176.2B
L6022	645 014 2659	FILTER,EMI 10MHZ	D5174	407 209 1201	ZD UDZS-TE-176.2B
L6023	645 014 2659	FILTER,EMI 10MHZ	D5181	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6024	645 014 2659	FILTER,EMI 10MHZ	D5182	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6025	645 014 2659	FILTER,EMI 10MHZ	D5183	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6026	645 014 2659	FILTER,EMI 10MHZ	D5184	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6027	645 014 2659	FILTER,EMI 10MHZ	D5312	407 149 0807	DIODE 1SS355-TE-17
L6028	645 014 2659	FILTER,EMI 10MHZ	D5390	407 209 1201	ZD UDZS-TE-176.2B
L6029	645 014 2659	FILTER,EMI 10MHZ	D6000	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6031	645 014 2659	FILTER,EMI 10MHZ	D6001	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6041	645 014 2659	FILTER,EMI 10MHZ	D6002	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6051	645 014 2659	FILTER,EMI 10MHZ	D6003	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6061	645 014 2659	FILTER,EMI 10MHZ	D6004	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6081	645 014 2659	FILTER,EMI 10MHZ	D6005	407 187 8209	ZENER DIODE UDZ12B-TE-17
L6082	645 014 2659	FILTER,EMI 10MHZ	D6006	407 187 8209	ZENER DIODE UDZ12B-TE-17
DIODE			D6007	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2101	407 209 1201	ZD UDZS-TE-176.2B	D6008	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2102	407 209 1201	ZD UDZS-TE-176.2B	D6009	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2103	407 209 1201	ZD UDZS-TE-176.2B	D6011	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2104	407 209 1201	ZD UDZS-TE-176.2B	D6020	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2105	407 209 1201	ZD UDZS-TE-176.2B	D6021	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2106	407 209 1201	ZD UDZS-TE-176.2B	D6022	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2111	407 209 1201	ZD UDZS-TE-176.2B	D6023	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2112	407 209 1201	ZD UDZS-TE-176.2B	D6024	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2113	407 209 1201	ZD UDZS-TE-176.2B	D6025	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2114	407 209 1201	ZD UDZS-TE-176.2B	D6026	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2115	407 209 1201	ZD UDZS-TE-176.2B	D6027	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2116	407 209 1201	ZD UDZS-TE-176.2B	D6028	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2121	407 209 1201	ZD UDZS-TE-176.2B	D6029	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2122	407 209 1201	ZD UDZS-TE-176.2B	D6031	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2123	407 209 1201	ZD UDZS-TE-176.2B	D6041	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2131	407 149 0807	DIODE 1SS355-TE-17	D6042	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2132	407 149 0807	DIODE 1SS355-TE-17	D6043	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2133	407 149 0807	DIODE 1SS355-TE-17	D6044	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2146	407 149 0807	DIODE 1SS355-TE-17	D6051	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2147	407 149 0807	DIODE 1SS355-TE-17	D6052	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2148	407 149 0807	DIODE 1SS355-TE-17	D6053	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2801	407 206 6308	ZD UDZS-TE-175.1B	D6054	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2851	407 206 6308	ZD UDZS-TE-175.1B	D6055	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4101	407 209 1201	ZD UDZS-TE-176.2B	D6056	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4102	407 209 1201	ZD UDZS-TE-176.2B	D6061	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4111	407 209 1201	ZD UDZS-TE-176.2B	D6062	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4112	407 209 1201	ZD UDZS-TE-176.2B	D6063	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4121	407 209 1201	ZD UDZS-TE-176.2B	D6064	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4122	407 209 1201	ZD UDZS-TE-176.2B	D6065	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4131	407 149 0807	DIODE 1SS355-TE-17	D6066	407 187 8209	ZENER DIODE UDZ12B-TE-17
D4132	407 149 0807	DIODE 1SS355-TE-17	D6081	407 209 1201	ZD UDZS-TE-176.2B
D4191	407 149 0807	DIODE 1SS355-TE-17	D6082	407 209 1201	ZD UDZS-TE-176.2B
D4192	407 149 0807	DIODE 1SS355-TE-17	D6083	407 209 1201	ZD UDZS-TE-176.2B
D4193	407 149 0807	DIODE 1SS355-TE-17	D6091TM	407 099 6508	ZENER DIODE MTZJ12A
D4194	407 149 0807	DIODE 1SS355-TE-17	D6092TM	407 099 6508	ZENER DIODE MTZJ12A
D4196	407 149 0807	DIODE 1SS355-TE-17	D6093TM	407 099 6508	ZENER DIODE MTZJ12A
D5101	407 179 1003	ZENER DIODE UDZ15B-TE17	D6094TM	407 099 6508	ZENER DIODE MTZJ12A
D5102	407 179 1003	ZENER DIODE UDZ15B-TE17	MISCELLANEOUS		
D5103	407 179 1003	ZENER DIODE UDZ15B-TE17	△ TH4181	408 039 8002	THERMISTOR NTH5G2M31B102J
D5115	407 179 1003	ZENER DIODE UDZ15B-TE17	IC6081	408 016 8803	PC PC113 (VDE0884)
D5116	407 179 1003	ZENER DIODE UDZ15B-TE17	K1011	645 030 1919	JACK,RCA-2
D5117	407 179 1003	ZENER DIODE UDZ15B-TE17	K1012	645 030 1919	JACK,RCA-2
D5131	407 206 6308	ZD UDZS-TE-175.1B	K1013	645 030 1919	JACK,RCA-2
D5132	407 092 9506	DIODE SB07-03C-TB	K1014	645 021 1355	SOCKET,DIN 12P
D5161	407 209 1201	ZD UDZS-TE-176.2B	K1015	645 021 1355	SOCKET,DIN 12P
D5162	407 209 1201	ZD UDZS-TE-176.2B	K1016	645 027 8778	PLUG,D-SUB 9P
D5163	407 209 1201	ZD UDZS-TE-176.2B	K1017	645 028 0382	SOCKET,USB 4P

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
K1018	645 028 0382	SOCKET,USB 4P		405 015 8902	TR 2SC2812-L7-TB
K1019	645 000 2571	JACK,PHONE D8.0	Q5062	405 014 4509	TR 2SC2412K T146 R
K21A	645 009 8093	SOCKET,D-SUB 15P		405 014 4608	TR 2SC2412K T146 S
K21B	645 036 5201	SOCKET,BNC 5P		405 015 8704	TR 2SC2812-L6-TB
K21BA	645 009 8390	PLUG,ANT 2P		405 015 8902	TR 2SC2812-L7-TB
K21C	645 009 8093	SOCKET,D-SUB 15P	Q5063	405 014 4509	TR 2SC2412K T146 R
K21D	645 005 8387	PLUG,6P		405 014 4608	TR 2SC2412K T146 S
K21E	645 008 3341	PLUG,10P		405 015 8704	TR 2SC2812-L6-TB
K21F	645 008 3341	PLUG,10P		405 015 8902	TR 2SC2812-L7-TB
K21GA	645 009 8390	PLUG,ANT 2P	Q5064	405 014 4509	TR 2SC2412K T146 R
K21RA	645 009 8390	PLUG,ANT 2P		405 014 4608	TR 2SC2412K T146 S
K28G	645 036 1326	TERMINAL		405 015 8704	TR 2SC2812-L6-TB
K28P	645 008 3365	PLUG,12P		405 015 8902	TR 2SC2812-L7-TB
K28Q	645 008 3372	PLUG,13P			
K53A	645 024 7750	SOCKET,FPC 36P	INTEGRATED CIRCUIT		
K53B	645 024 7750	SOCKET,FPC 36P	IC3001	409 051 2702	IC TC4052BF-TP1
K53C	645 035 5288	SOCKET,MIN,SCSI 20P	IC3021	409 211 7301	IC MC14053BFL
X2801	645 021 1218	OSC,CERAMIC 8.00MHZ		409 051 2900	IC TC4053BF-TP1
	645 037 5187	OSC,CERAMIC 8.00MHZ	IC3041	409 390 6201	IC EL2244CS
X2802	645 021 1218	OSC,CERAMIC 8.00MHZ	IC3061	409 390 6201	IC EL2244CS
	645 037 5187	OSC,CERAMIC 8.00MHZ	IC3081	409 390 6201	IC EL2244CS
X2851	645 021 1218	OSC,CERAMIC 8.00MHZ	IC5001	409 211 7301	IC MC14053BFL
	645 037 5187	OSC,CERAMIC 8.00MHZ		409 051 2900	IC TC4053BF-TP1
X2852	645 021 1218	OSC,CERAMIC 8.00MHZ	CAPACITOR		
	645 037 5187	OSC,CERAMIC 8.00MHZ	C1013	403 069 9500	CERAMIC 0.01U Z 50V
X2871	645 024 8566	OSC,CERAMIC 6.00MHZ	C1033	403 069 9500	CERAMIC 0.01U Z 50V
	645 037 5217	OSC,CERAMIC 6.00MHZ	C1063	403 069 9500	CERAMIC 0.01U Z 50V
610 281 5412ASSY,PWB,AVJACK-M6VAA 1AA0B10C2370B			C3001	403 175 3300	ELECT 47U M 16V
TRANSISTOR			C3002	403 175 3300	ELECT 47U M 16V
Q3011	405 014 4509	TR 2SC2412K T146 R	C3003	403 175 3300	ELECT 47U M 16V
	405 014 4608	TR 2SC2412K T146 S	C3004	403 175 3300	ELECT 47U M 16V
	405 015 8704	TR 2SC2812-L6-TB	C3005	403 175 3300	ELECT 47U M 16V
	405 015 8902	TR 2SC2812-L7-TB	C3006	403 314 5905	CERAMIC 0.47U K 16V
Q3012	405 014 4509	TR 2SC2412K T146 R	C3007	403 175 3300	ELECT 47U M 16V
	405 014 4608	TR 2SC2412K T146 S	C3008	403 314 5905	CERAMIC 0.47U K 16V
	405 015 8704	TR 2SC2812-L6-TB	C3016	403 175 3300	ELECT 47U M 16V
	405 015 8902	TR 2SC2812-L7-TB	C3017	403 192 5905	CERAMIC 0.1U K 25V
Q3031	405 014 4509	TR 2SC2412K T146 R	C3018	403 192 5905	CERAMIC 0.1U K 25V
	405 014 4608	TR 2SC2412K T146 S	C3019	403 323 8805	CERAMIC 2.2U Z 16V
	405 015 8704	TR 2SC2812-L6-TB		403 255 7907	CERAMIC 2.2U Z 16V
	405 015 8902	TR 2SC2812-L7-TB	C3023	403 175 3300	ELECT 47U M 16V
Q3091	405 035 1105	TR FMW1-T98	C3025	403 175 3300	ELECT 47U M 16V
Q3092	405 035 1105	TR FMW1-T98	C3039	403 323 8805	CERAMIC 2.2U Z 16V
Q3093	405 014 4509	TR 2SC2412K T146 R		403 255 7907	CERAMIC 2.2U Z 16V
	405 014 4608	TR 2SC2412K T146 S	C3041	403 280 1604	ELECT 220U M 16V
	405 015 8704	TR 2SC2812-L6-TB	C3044	403 008 7406	CERAMIC 10P D 50V
	405 015 8902	TR 2SC2812-L7-TB	C3046	403 266 8207	NP-ELECT 10U M 16V
Q5056	405 014 4509	TR 2SC2412K T146 R	C3048	403 162 4709	ELECT 10U M 16V
	405 014 4608	TR 2SC2412K T146 S	C3049	403 192 5905	CERAMIC 0.1U K 25V
	405 015 8704	TR 2SC2812-L6-TB	C3051	403 280 1604	ELECT 220U M 16V
	405 015 8902	TR 2SC2812-L7-TB	C3054	403 008 7406	CERAMIC 10P D 50V
Q5057	405 014 4509	TR 2SC2412K T146 R	C3056	403 266 8207	NP-ELECT 10U M 16V
	405 014 4608	TR 2SC2412K T146 S	C3061	403 280 1604	ELECT 220U M 16V
	405 015 8704	TR 2SC2812-L6-TB	C3064	403 008 7406	CERAMIC 10P D 50V
	405 015 8902	TR 2SC2812-L7-TB	C3066	403 266 8207	NP-ELECT 10U M 16V
Q5058	405 014 4509	TR 2SC2412K T146 R	C3071	403 280 1604	ELECT 220U M 16V
	405 014 4608	TR 2SC2412K T146 S	C3073	403 314 5905	CERAMIC 0.47U K 16V
	405 015 8704	TR 2SC2812-L6-TB	C3074	403 008 7406	CERAMIC 10P D 50V
	405 015 8902	TR 2SC2812-L7-TB	C3076	403 266 8207	NP-ELECT 10U M 16V
Q5061	405 014 4509	TR 2SC2412K T146 R	C3084	403 008 7406	CERAMIC 10P D 50V
	405 014 4608	TR 2SC2412K T146 S	C3086	403 266 8207	NP-ELECT 10U M 16V
	405 015 8704	TR 2SC2812-L6-TB	C5001	403 205 7803	TA-SOLID 2.2U M 16V
			C5002	403 205 7803	TA-SOLID 2.2U M 16V
			C5003	403 205 7803	TA-SOLID 2.2U M 16V
			C5004	403 205 7803	TA-SOLID 2.2U M 16V
			C5006	403 323 8805	CERAMIC 2.2U Z 16V
				403 255 7907	CERAMIC 2.2U Z 16V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C5012	403 229 3508	ELECT 100U M 16V	R3028	401 037 5202	MT-GLAZE 100 JA 1/10W
C5013	403 314 5905	CERAMIC 0.47U K 16V	R3029	401 037 5202	MT-GLAZE 100 JA 1/10W
C5014	403 314 5905	CERAMIC 0.47U K 16V	R3031	401 038 9001	MT-GLAZE 680 JA 1/10W
C5051	403 162 4709	ELECT 10U M 16V	R3032	401 038 9001	MT-GLAZE 680 JA 1/10W
C5052	403 162 4709	ELECT 10U M 16V	R3033	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
RESISTOR			R3036	401 037 5608	MT-GLAZE 10K JA 1/10W
RB5001	645 025 5397	R-NETWORK 100KX4 1/16W	R3037	401 037 5608	MT-GLAZE 10K JA 1/10W
	645 026 8021	R-NETWORK 100KX4 1/16W	R3044	401 037 5400	MT-GLAZE 1K JA 1/10W
R1001	401 147 7707	MT-GLAZE 150 FA 1/10W	R3045	401 039 0908	MT-GLAZE 910 JA 1/10W
R1002	401 147 7707	MT-GLAZE 150 FA 1/10W	R3046	401 038 0800	MT-GLAZE 22K JA 1/10W
R1003	401 147 7707	MT-GLAZE 150 FA 1/10W	R3047	401 037 5608	MT-GLAZE 10K JA 1/10W
R1004	401 147 7707	MT-GLAZE 150 FA 1/10W	R3054	401 037 5400	MT-GLAZE 1K JA 1/10W
R1005	401 147 7707	MT-GLAZE 150 FA 1/10W	R3055	401 039 0908	MT-GLAZE 910 JA 1/10W
R1006	401 147 7707	MT-GLAZE 150 FA 1/10W	R3056	401 038 0800	MT-GLAZE 22K JA 1/10W
R1011	401 147 7707	MT-GLAZE 150 FA 1/10W	R3057	401 037 5608	MT-GLAZE 10K JA 1/10W
R1012	401 147 7707	MT-GLAZE 150 FA 1/10W	R3064	401 037 5400	MT-GLAZE 1K JA 1/10W
R1013	401 147 7707	MT-GLAZE 150 FA 1/10W	R3065	401 039 0908	MT-GLAZE 910 JA 1/10W
R1014	401 147 7707	MT-GLAZE 150 FA 1/10W	R3066	401 038 0800	MT-GLAZE 22K JA 1/10W
R1015	401 037 5202	MT-GLAZE 100 JA 1/10W	R3067	401 037 5608	MT-GLAZE 10K JA 1/10W
R1021	401 147 7707	MT-GLAZE 150 FA 1/10W	R3074	401 037 5400	MT-GLAZE 1K JA 1/10W
R1022	401 147 7707	MT-GLAZE 150 FA 1/10W	R3075	401 039 0908	MT-GLAZE 910 JA 1/10W
R1023	401 147 7707	MT-GLAZE 150 FA 1/10W	R3076	401 038 0800	MT-GLAZE 22K JA 1/10W
R1024	401 147 7707	MT-GLAZE 150 FA 1/10W	R3077	401 037 5608	MT-GLAZE 10K JA 1/10W
R1025	401 147 7707	MT-GLAZE 150 FA 1/10W	R3084	401 037 5400	MT-GLAZE 1K JA 1/10W
R1026	401 147 7707	MT-GLAZE 150 FA 1/10W	R3085	401 039 0908	MT-GLAZE 910 JA 1/10W
R1031	401 147 7707	MT-GLAZE 150 FA 1/10W	R3086	401 038 0800	MT-GLAZE 22K JA 1/10W
R1032	401 147 7707	MT-GLAZE 150 FA 1/10W	R3087	401 037 5608	MT-GLAZE 10K JA 1/10W
R1033	401 147 7707	MT-GLAZE 150 FA 1/10W	R3091	401 037 5608	MT-GLAZE 10K JA 1/10W
R1034	401 147 7707	MT-GLAZE 150 FA 1/10W	R3092	401 037 5608	MT-GLAZE 10K JA 1/10W
R1035	401 037 5202	MT-GLAZE 100 JA 1/10W	R3093	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1051	401 038 6604	MT-GLAZE 470K JA 1/10W	R3094	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R1053	401 038 9506	MT-GLAZE 75 JA 1/10W	R3095	401 038 0800	MT-GLAZE 22K JA 1/10W
R1054	401 038 6604	MT-GLAZE 470K JA 1/10W	R3097	401 037 5400	MT-GLAZE 1K JA 1/10W
R1056	401 038 9506	MT-GLAZE 75 JA 1/10W	R3098	401 037 5400	MT-GLAZE 1K JA 1/10W
R1057	401 038 6604	MT-GLAZE 470K JA 1/10W	R3099	401 038 5300	MT-GLAZE 39K JA 1/10W
R1059	401 038 9506	MT-GLAZE 75 JA 1/10W	R5006	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R1061	401 038 6604	MT-GLAZE 470K JA 1/10W	R5007	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R1062	401 038 9506	MT-GLAZE 75 JA 1/10W	R5009	401 037 5202	MT-GLAZE 100 JA 1/10W
R1063	401 038 6604	MT-GLAZE 470K JA 1/10W	R5013	401 037 5202	MT-GLAZE 100 JA 1/10W
R1064	401 038 9506	MT-GLAZE 75 JA 1/10W	R5014	401 037 5202	MT-GLAZE 100 JA 1/10W
R1065	401 037 5202	MT-GLAZE 100 JA 1/10W	R5015	401 037 5608	MT-GLAZE 10K JA 1/10W
R3001	401 037 5608	MT-GLAZE 10K JA 1/10W	R5016	401 037 5608	MT-GLAZE 10K JA 1/10W
R3002	401 037 5608	MT-GLAZE 10K JA 1/10W	R5017	401 037 5608	MT-GLAZE 10K JA 1/10W
R3003	401 037 5608	MT-GLAZE 10K JA 1/10W	R5019	401 037 5202	MT-GLAZE 100 JA 1/10W
R3004	401 037 5608	MT-GLAZE 10K JA 1/10W	R5041	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3005	401 037 5608	MT-GLAZE 10K JA 1/10W	R5042	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3006	401 037 5608	MT-GLAZE 10K JA 1/10W	R5043	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3007	401 037 5608	MT-GLAZE 10K JA 1/10W	R5044	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3008	401 037 5608	MT-GLAZE 10K JA 1/10W	R5051	401 038 0800	MT-GLAZE 22K JA 1/10W
R3010	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5052	401 038 9001	MT-GLAZE 680 JA 1/10W
R3011	401 038 9001	MT-GLAZE 680 JA 1/10W	R5053	401 038 0800	MT-GLAZE 22K JA 1/10W
R3012	401 038 9001	MT-GLAZE 680 JA 1/10W	R5054	401 038 9001	MT-GLAZE 680 JA 1/10W
R3013	401 038 9001	MT-GLAZE 680 JA 1/10W	R5055	401 037 5202	MT-GLAZE 100 JA 1/10W
R3014	401 038 9001	MT-GLAZE 680 JA 1/10W	R5056	401 037 5608	MT-GLAZE 10K JA 1/10W
R3015	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R5057	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R3016	401 037 5608	MT-GLAZE 10K JA 1/10W	R5058	401 038 6307	MT-GLAZE 470 JA 1/10W
R3017	401 179 3708	MT-GLAZE 11K FA 1/10W	R5059	401 037 5202	MT-GLAZE 100 JA 1/10W
R3018	401 037 5202	MT-GLAZE 100 JA 1/10W	R5061	401 038 6604	MT-GLAZE 470K JA 1/10W
R3019	401 037 5202	MT-GLAZE 100 JA 1/10W	R5062	401 037 5202	MT-GLAZE 100 JA 1/10W
R3021	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R5063	401 038 6604	MT-GLAZE 470K JA 1/10W
R3022	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R5064	401 037 5202	MT-GLAZE 100 JA 1/10W
R3023	401 037 5608	MT-GLAZE 10K JA 1/10W	R5071	401 038 6604	MT-GLAZE 470K JA 1/10W
R3024	401 037 5608	MT-GLAZE 10K JA 1/10W	R5072	401 037 5202	MT-GLAZE 100 JA 1/10W
R3025	401 037 5608	MT-GLAZE 10K JA 1/10W	R5073	401 038 6604	MT-GLAZE 470K JA 1/10W
R3026	401 037 5608	MT-GLAZE 10K JA 1/10W	R5074	401 037 5202	MT-GLAZE 100 JA 1/10W
R3027	401 037 5608	MT-GLAZE 10K JA 1/10W	R5081	401 037 5707	MT-GLAZE 100K JA 1/10W
			R5082	401 037 5202	MT-GLAZE 100 JA 1/10W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R5083	401 037 5707	MT-GLAZE 100K JA 1/10W	D1051	407 209 1201	ZD UDZS-TE-176.2B
R5084	401 037 5202	MT-GLAZE 100 JA 1/10W	D1052	407 209 1201	ZD UDZS-TE-176.2B
COIL			D1053	407 209 1201	ZD UDZS-TE-176.2B
L1001	645 008 4904	INDUCTOR, 5.6U K	D1054	407 209 1201	ZD UDZS-TE-176.2B
L1002	645 002 3910	FILTER, EMI 100MHZ	D1055	407 209 1201	ZD UDZS-TE-176.2B
L1003	645 008 4904	INDUCTOR, 5.6U K	D1056	407 209 1201	ZD UDZS-TE-176.2B
L1004	645 002 3910	FILTER, EMI 100MHZ	D1061	407 209 1201	ZD UDZS-TE-176.2B
L1005	645 008 4904	INDUCTOR, 5.6U K	D1062	407 209 1201	ZD UDZS-TE-176.2B
L1006	645 002 3910	FILTER, EMI 100MHZ	D1063	407 209 1201	ZD UDZS-TE-176.2B
L1011	645 008 4904	INDUCTOR, 5.6U K	D1064	407 209 1201	ZD UDZS-TE-176.2B
L1012	645 002 3910	FILTER, EMI 100MHZ	D1065	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1013	645 008 4904	INDUCTOR, 5.6U K	D5051	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1014	645 002 3910	FILTER, EMI 100MHZ	D5052	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1015	645 014 2659	FILTER, EMI 10MHZ	D5061	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1021	645 008 4904	INDUCTOR, 5.6U K	D5062	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1022	645 002 3910	FILTER, EMI 100MHZ	D5063	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1023	645 008 4904	INDUCTOR, 5.6U K	D5064	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1024	645 002 3910	FILTER, EMI 100MHZ	D5071	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1025	645 008 4904	INDUCTOR, 5.6U K	D5072	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1026	645 002 3910	FILTER, EMI 100MHZ	D5073	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1031	645 008 4904	INDUCTOR, 5.6U K	D5074	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1032	645 002 3910	FILTER, EMI 100MHZ	D5081	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1033	645 008 4904	INDUCTOR, 5.6U K	D5082	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1034	645 002 3910	FILTER, EMI 100MHZ	D5083	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1035	645 014 2659	FILTER, EMI 10MHZ	D5084	407 187 8209	ZENER DIODE UDZ12B-TE-17
L1051	645 008 4904	INDUCTOR, 5.6U K	MISCELLANEOUS		
L1052	645 002 3910	FILTER, EMI 100MHZ	K1001	645 028 0405	SOCKET, BNC 3P
L1053	645 008 4904	INDUCTOR, 5.6U K	K1002	610 010 8295	SOCKET, DIN 4P
L1054	645 002 3910	FILTER, EMI 100MHZ	K1003	645 030 1919	JACK, RCA-2
L1055	645 008 4904	INDUCTOR, 5.6U K	K1004	645 028 0405	SOCKET, BNC 3P
L1056	645 002 3910	FILTER, EMI 100MHZ	K1005	610 010 8295	SOCKET, DIN 4P
L1061	645 008 4904	INDUCTOR, 5.6U K	K1006	645 030 1919	JACK, RCA-2
L1062	645 002 3910	FILTER, EMI 100MHZ	K1007	645 028 0405	SOCKET, BNC 3P
L1063	645 008 4904	INDUCTOR, 5.6U K	K1008	610 010 8295	SOCKET, DIN 4P
L1064	645 002 3910	FILTER, EMI 100MHZ	K1009	645 030 1919	JACK, RCA-2
L1065	645 014 2659	FILTER, EMI 10MHZ	610 281 5429 ASSY, PWB, R/C1 M6VAA		
L3001	401 035 4108	MT-GLAZE 0.000 ZA 1/8W	1AA0B10C2370C		
L5061	645 014 2659	FILTER, EMI 10MHZ	CAPACITOR		
L5062	645 014 2659	FILTER, EMI 10MHZ	C6871	403 316 5408	CERAMIC 1U K 10V
L5071	645 014 2659	FILTER, EMI 10MHZ	RESISTOR		
L5072	645 014 2659	FILTER, EMI 10MHZ	R6871	401 037 5202	MT-GLAZE 100 JA 1/10W
L5081	645 014 2659	FILTER, EMI 10MHZ	R6872	401 037 5202	MT-GLAZE 100 JA 1/10W
L5082	645 014 2659	FILTER, EMI 10MHZ	DIODE		
DIODE			D6871	407 187 8209	ZENER DIODE UDZ12B-TE-17
D1001	407 209 1201	ZD UDZS-TE-176.2B	MISCELLANEOUS		
D1002	407 209 1201	ZD UDZS-TE-176.2B	A6871	645 034 5029	UNIT, REMOCON RECEIVER
D1003	407 209 1201	ZD UDZS-TE-176.2B	610 281 5436 ASSY, PWB, R/C2 M6VAA		
D1004	407 209 1201	ZD UDZS-TE-176.2B	1AA0B10C2370D		
D1005	407 209 1201	ZD UDZS-TE-176.2B	CAPACITOR		
D1006	407 209 1201	ZD UDZS-TE-176.2B	C6881	403 316 5408	CERAMIC 1U K 10V
D1011	407 209 1201	ZD UDZS-TE-176.2B	RESISTOR		
D1012	407 209 1201	ZD UDZS-TE-176.2B	R6881	401 037 5202	MT-GLAZE 100 JA 1/10W
D1013	407 209 1201	ZD UDZS-TE-176.2B	R6882	401 037 5202	MT-GLAZE 100 JA 1/10W
D1014	407 209 1201	ZD UDZS-TE-176.2B	DIODE		
D1015	407 187 8209	ZENER DIODE UDZ12B-TE-17	D6881	407 187 8209	ZENER DIODE UDZ12B-TE-17
D1021	407 209 1201	ZD UDZS-TE-176.2B			
D1022	407 209 1201	ZD UDZS-TE-176.2B			
D1023	407 209 1201	ZD UDZS-TE-176.2B			
D1024	407 209 1201	ZD UDZS-TE-176.2B			
D1025	407 209 1201	ZD UDZS-TE-176.2B			
D1026	407 209 1201	ZD UDZS-TE-176.2B			
D1031	407 209 1201	ZD UDZS-TE-176.2B			
D1032	407 209 1201	ZD UDZS-TE-176.2B			
D1033	407 209 1201	ZD UDZS-TE-176.2B			
D1034	407 209 1201	ZD UDZS-TE-176.2B			
D1035	407 187 8209	ZENER DIODE UDZ12B-TE-17			

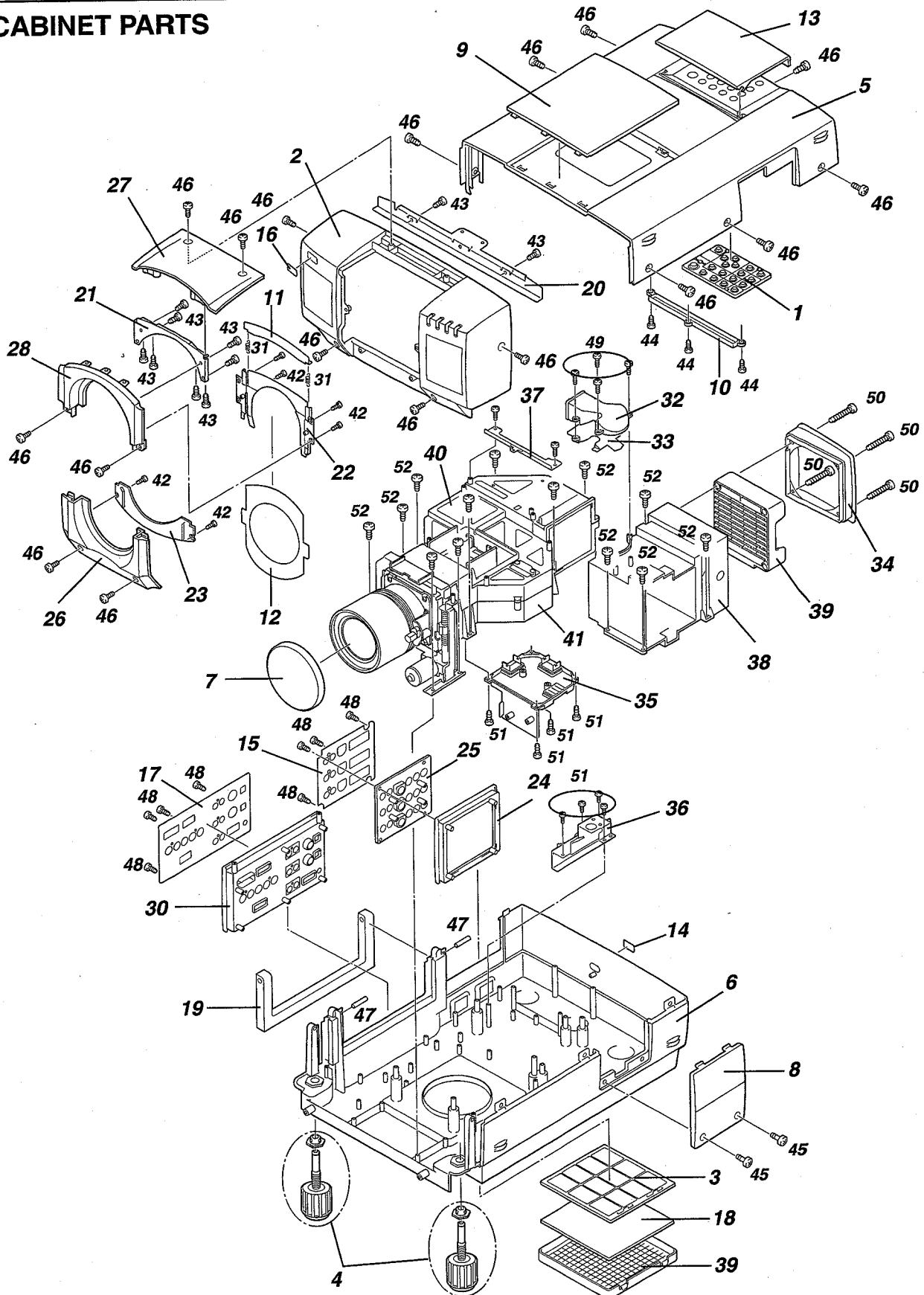
Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
MISCELLANEOUS					
A6881	645 034 5029	UNIT, REMOCON RECEIVER			
ACCESSORIES					
	645 024 6326	CABLE, INTERFACE MAC A			
OR	645 026 6829	CABLE, INTERFACE SVGA MAC			
OR	645 036 6888	CABLE, INTERFACE SVGA MAC			
	645 024 6333	CABLE, INTERFACE PS/2			
OR	645 026 6836	CABLE, INTERFACE SVGA PS/2			
OR	645 036 6895	CABLE, INTERFACE SVGA PS/2			
	645 025 6349	CABLE, INTERFACE XGA SRAL			
OR	645 026 6843	CABLE, INTERFACE SVGA SRAL			
OR	645 036 6901	CABLE, INTERFACE XGA SRAL			
	645 015 3976	CABLE, FXAF			
OR	610 234 0969	CABLE			
AA9901	645 036 4686	ASSY, REMOCON CXEF			
A9901C	610 273 8667	RC-BATTERY LID-CXDA			
AA9901	645 036 4716	ASSY, REMOCON CXEJ			
A9901C	610 272 9221	RC-BATTERY LID-CXEA			
	610 280 7578	OWNER'S MANUAL-PE6A			
	610 280 7585	OWNER'S MANUAL-PE6A-D			
	610 280 7592	OWNER'S MANUAL-PE6A-F			
	610 280 7608	OWNER'S MANUAL-PE6A-I			
	610 280 7615	OWNER'S MANUAL-PE6A-E			
		(Model PLC-XF10E/PLX-XF10EL)			
	610 280 7639	OWNER'S MANUAL-PE6C			
		(Model PLC-XF10B)			
	645 012 7762	BATTERY, ALKALI, COMPOSITE			
	645 031 8207	ADAPTOR, MAC/IBM			
	610 272 3045	COVER, DUST-M6MA			
	645 030 6624	CABLE, INTERFACE VGA			
AC CORD					
△	645 002 9196	CORD, POWER-3.0MK			
		(Model PLC-XF10E/PLX-XF10EL)			
△	645 003 1137	CORD, POWER-3.0MK			
		(Model PLC-XF10B)			

■ Mechanical Parts List

Note: Parts order must contain Service Ref. No., Part No., and Descriptions.

● CABINET PARTS

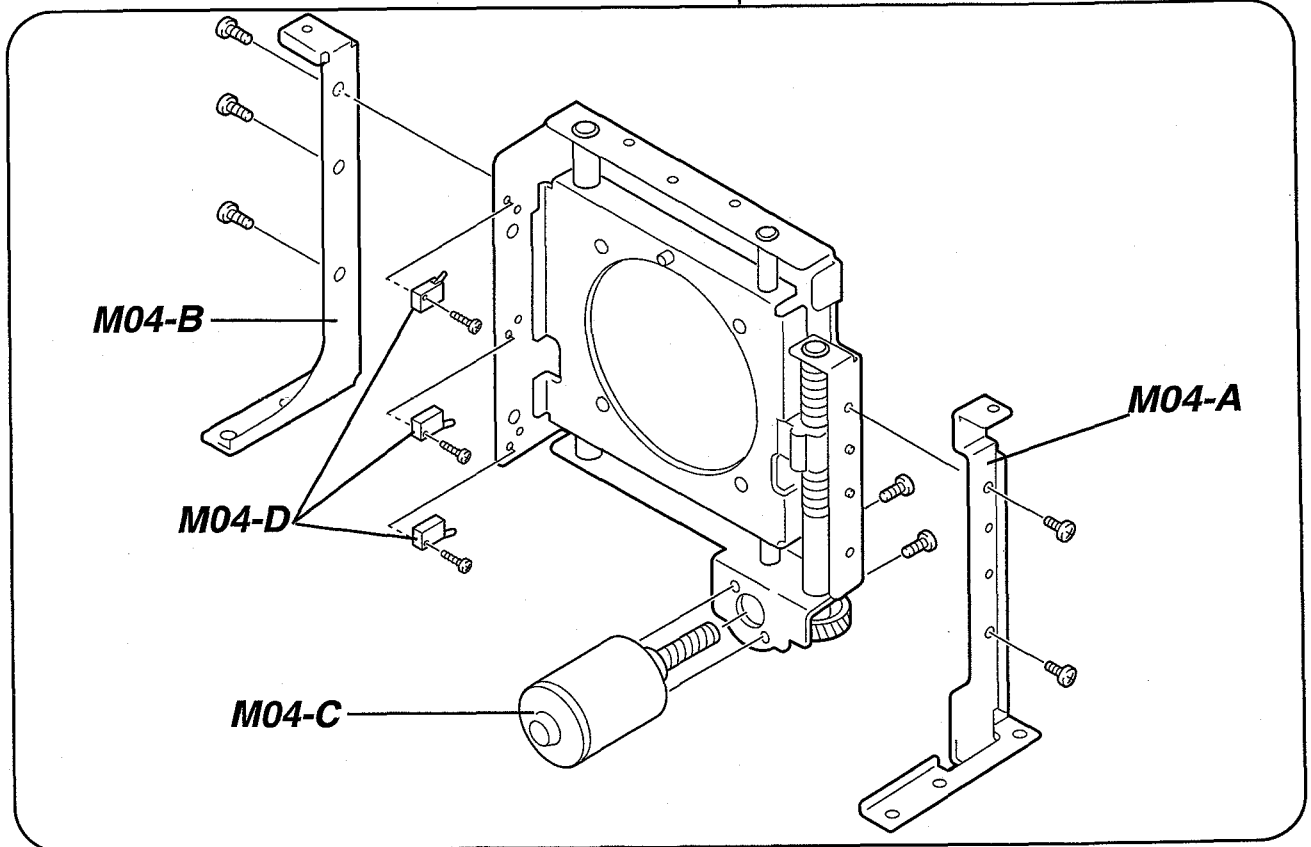
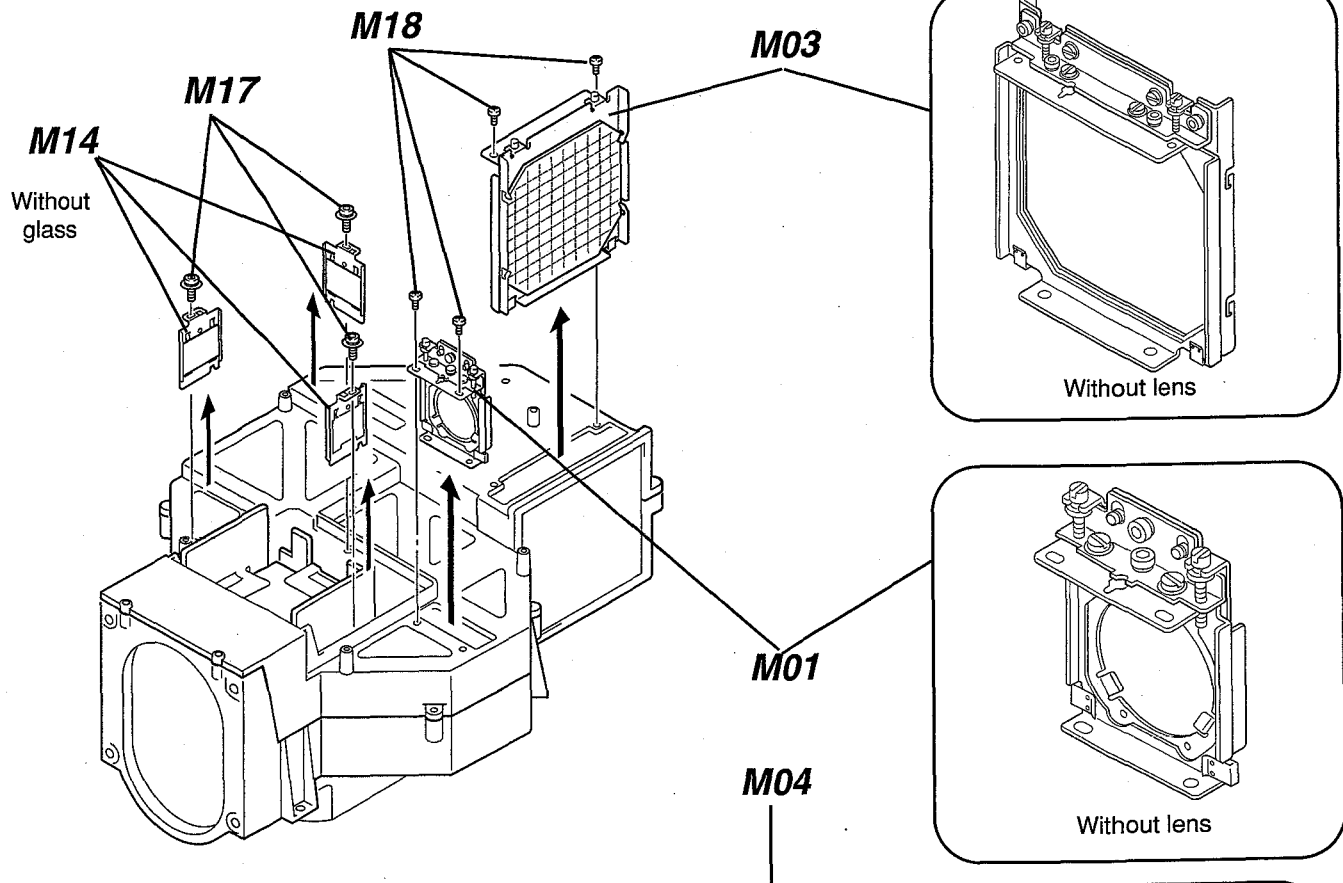


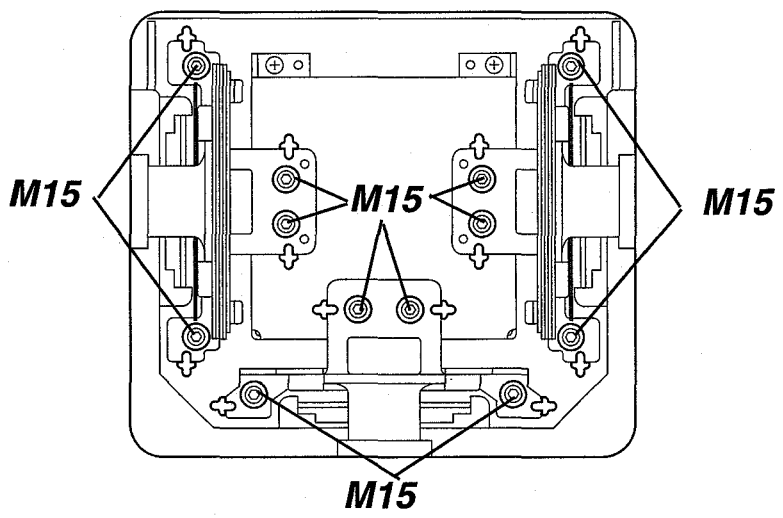
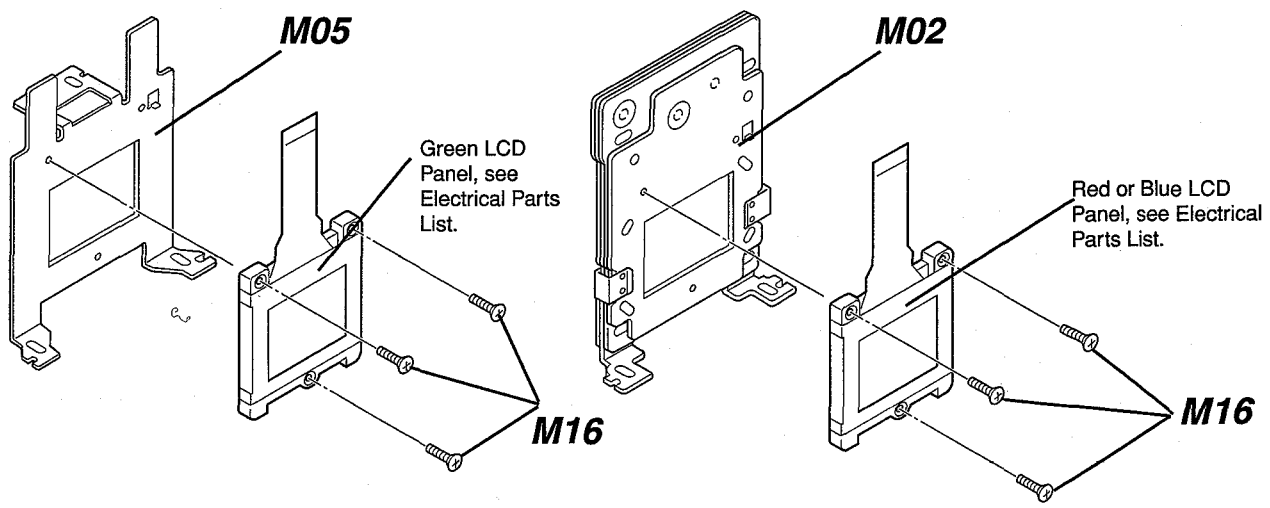
Mechanical Parts List

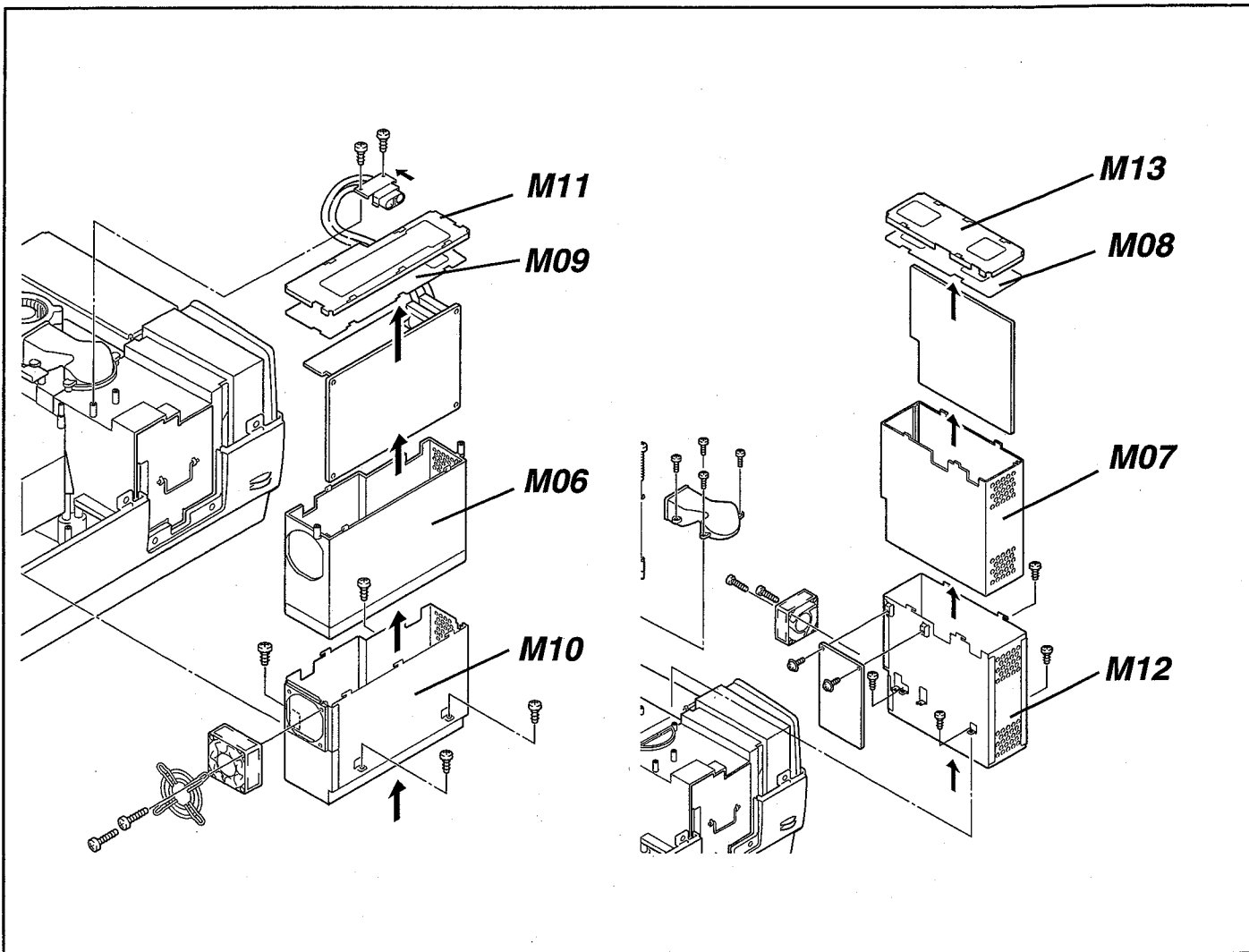
Key No.	Part No.	Description	Key No.	Part No.	Description
CABINET PARTS			32	610 281 6341	COVER DUCT LAMP A-M6VAA
1	610 272 8026	ASSY,BUTTON-M6MA	33	610 281 6358	COVER DUCT LAMP B-M6VAA
2	610 277 8700	ASSY,CABINET FRT-M6VA	34	610 272 1096	COVER DUCT OUT-M6MA
3	610 272 1416	ASSY,FILTER-M6MA	35	610 275 1567	COVER DUCT IN -M6MG
4	610 272 0235	ASSY,STAND LEG-M6MA	36	610 273 9978	HOLDER SWITCH C -M6MA
5	610 280 4249	CABINET TOP-ME6A	37	610 277 7635	HOLDER PWB A-M6VA
6	610 275 1536	CABINET BOTTOM-M6MG	38	610 281 3661	HOLDER COVER LAMP-M6VAA
* 7	610 277 8755	CAP LENS A-M6VA	39	610 278 5326	SHIELD LIGHT-M6VA
8	610 275 5374	COVER,LAMP-M6MG	40	610 279 2966	OPTICAL BASE TOP-M6VA
9	610 272 2109	COVER TOP A-M6MA	41	610 279 2973	OPTICAL BASE BTM-M6VA
10	610 272 9733	COVER TOP B-M6MA	SCREWS-CABINET-		
11	610 274 6181	COVER LENS B-M6MGL	42	411 025 6500	SCR S-TPG BIN 3X8
* 12	610 280 3648	COVER LENS C-M6VA	43	411 025 7200	SCR S-TPG BIN 4X8
13	610 272 0280	DOOR-M6MA	44	412 018 8402	SCR P-TAP FLG 3X10E
14	610 263 6208	DEC FRONT SHEET-M6FA	45	412 057 9101	SPECIAL SCREW
15	610 272 1126	DEC AV SHEET A-M6MA	46	411 102 2203	SCR BIN 4X8
16	610 274 8765	DEC FRONT SHEET-M6MGL	47	411 175 5408	PIN PARALLEL 5X25
17	610 277 7611	DEC COMP SHEET A-M6VA	48	411 078 9602	SCR TPG PAN 3X10
18	610 272 1157	FILTER NET A-M6MA	49	411 001 9006	SCR BIN 3X8
19	610 271 9987	HANDLE-M6MA	50	411 174 9902	SCR S-TPG BIN 4X50
20	610 274 6327	MOUNTING PNL A-M6MGL	51	411 025 5206	SCR S-TPG BIN 3X10
21	610 274 8826	MOUNTING PNL B-M6MGL	52	411 147 4408	SCR S-TPG BIN 4X12
22	610 274 6334	MOUNTING COVER LENS-M6MGL			
23	610 275 0058	MOUNTING COVER LENS B-M6M			
24	610 272 0358	PANEL AV A-M6MA			
25	610 272 1195	PANEL AV B-M6MA			
26	610 274 6358	PANEL FRONT BTM-M6MGL			
27	610 274 6365	PANEL FRONT TOP-M6MGL			
28	610 274 8895	PANEL FRONT MID-M6MGL			
29	610 275 7866	PANEL FILTER-M6MG			
30	610 277 7659	PANEL COMP A-M6VA			
31	610 272 9238	SPRING COIL-M6MA			

*) These service codes are for Model PLC-XF10E/B only.

● CHASSIS PARTS





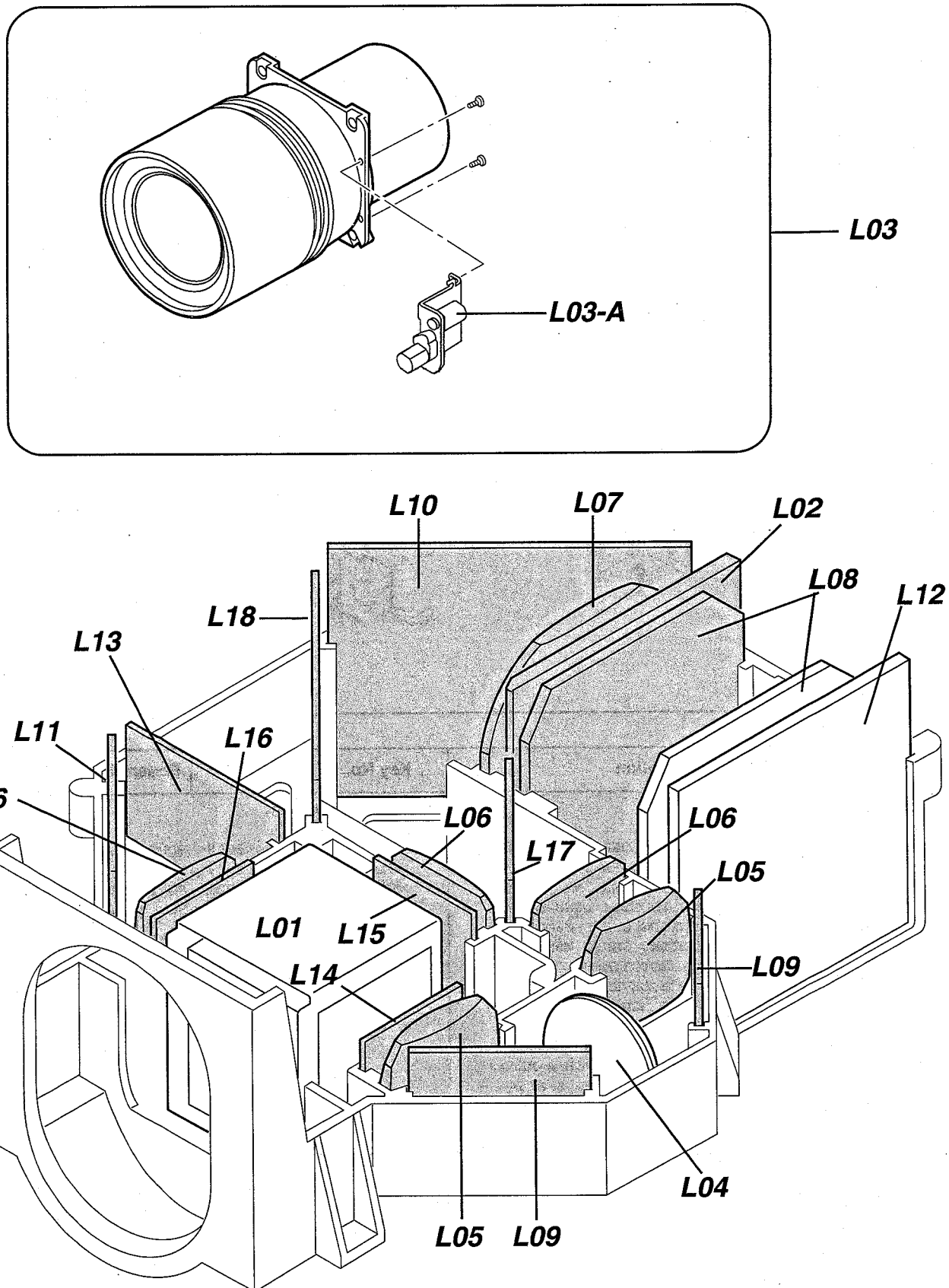


Key No.	Part No.	Description	Key No.	Part No.	Description
CHASSIS PARTS			SCREWS-CHASSIS-		
M01	610 270 3245	COMPL,HOLDER REL C-M6MA	M15	411 174 9308	BOLT HEX-SCT+SW+W 2.5X6
M02	610 277 9387	COMPL,HOLDER LCD E-M6VA	M16	411 052 1509	SCR OVL 2X6
M03	610 270 5386	COMPL,HOLDER INT A-M6MA	M17	411 178 2909	BOLT HEX-SCT+SW+W 3X6
M04	610 275 1505	COMPL,HOLDER LENS-M6MG	M18	411 001 8702	SCR BIN 3X6
M04-A	610 275 9723	MOUNTING CHS B-M6MG			
M04-B	610 275 9730	MOUNTING CHS C-M6MG			
M04-C	645 032 5397	ASSY,MOTOR (M6MG)			
M04-D	645 012 2422	SWITCH, LEVER			
M05	610 277 9479	HOLDER LCD E-M6VA			
M06	610 272 1164	HOLDER LAMP PWB-M6MA			
M07	610 272 1171	HOLDER POWER PWB-M6MA			
M08	610 280 4546	SPACER POWER PWB A-ME6A			
M09	610 280 4560	SPACER LAMP PWB B-ME6A			
M10	610 272 1232	SHIELD BOX LAMP-A-M6MA			
M11	610 281 1490	SHIELD BOX LAMP-B-M6VA			
M12	610 272 1256	SHIELD BOX POW-A-M6MA			
M13	610 272 1263	SHIELD BOX POW-B-M6MA			
M14	610 279 2959	STOPPER FLT-M6VA			

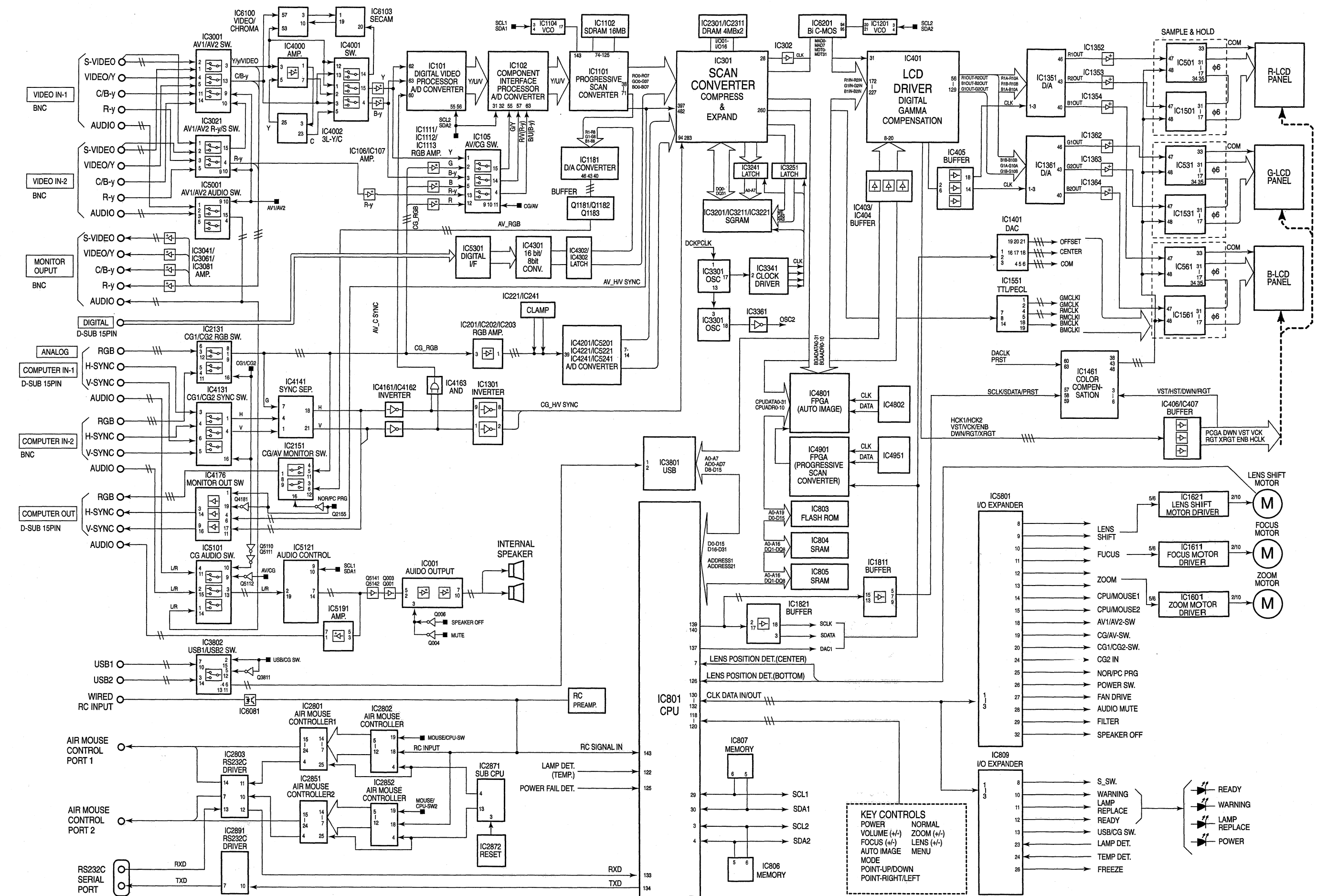
■ Optical Parts List

Note: Parts order must contain Service Ref. No., Part No., and Descriptions.

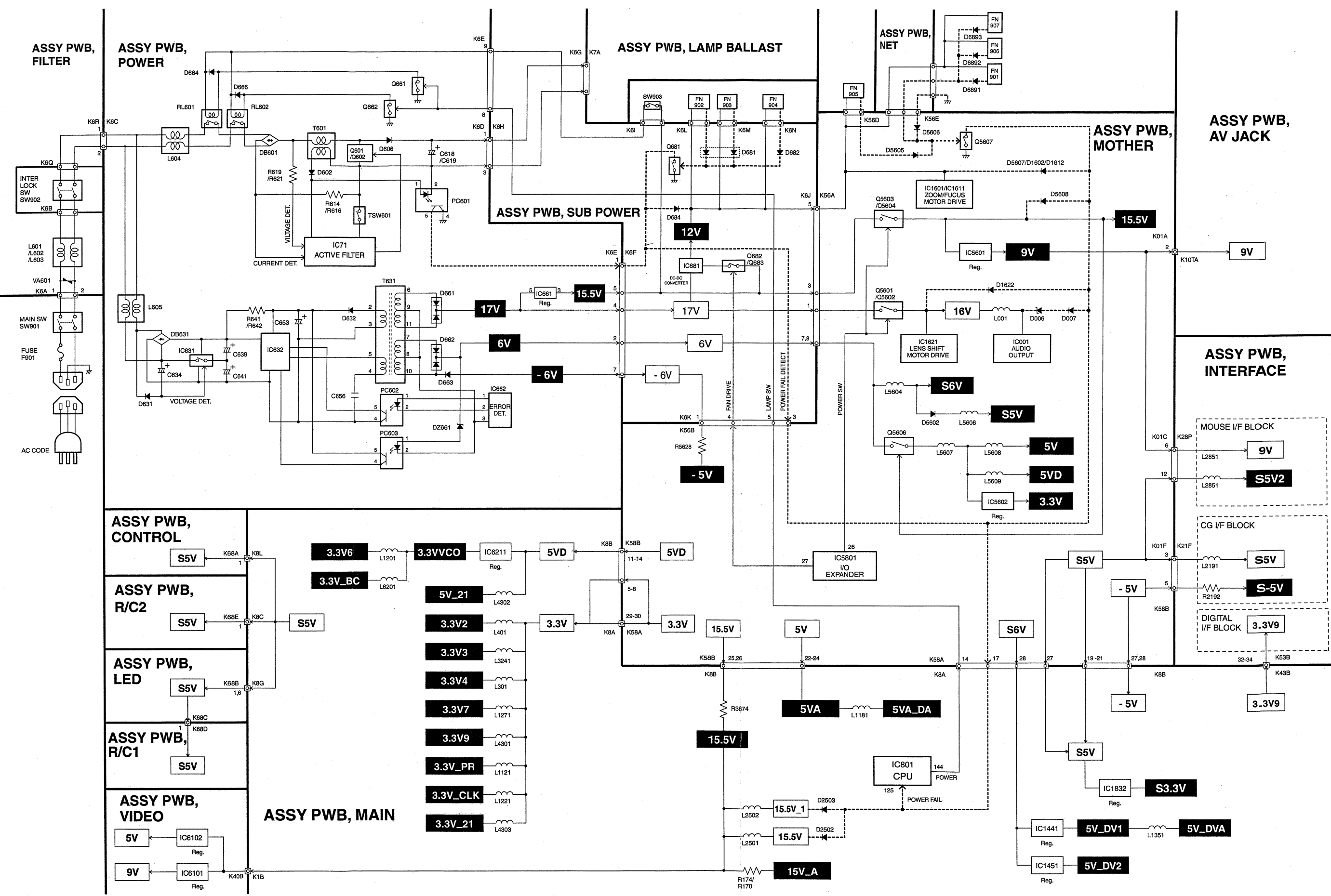
● OPTICAL PARTS



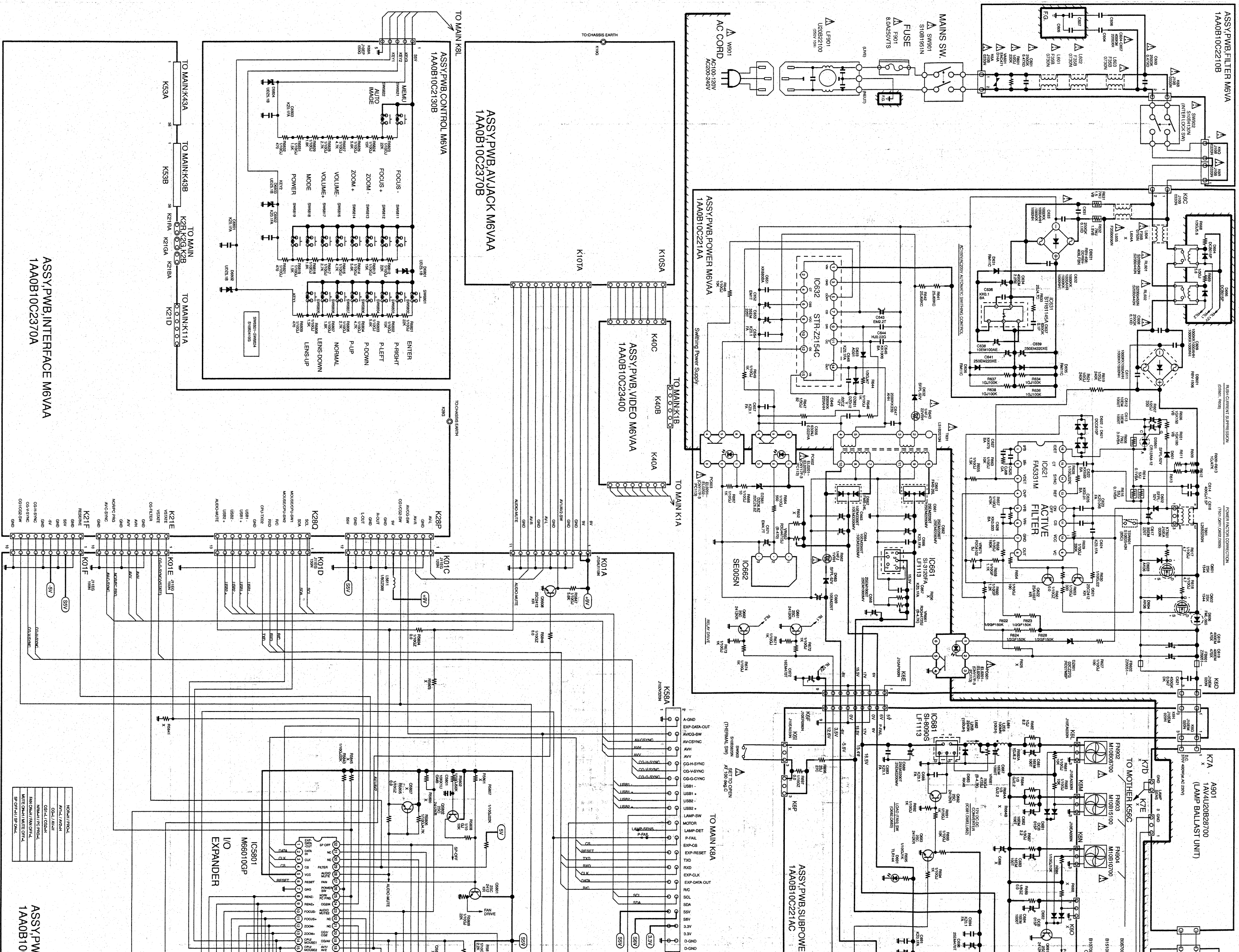
■ Circuit Block Diagram (PLC-XF10E/EL/B)

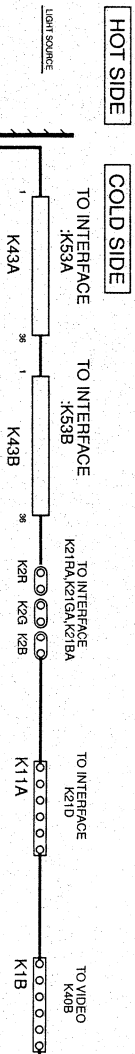


■ Power Supply Lines (PLC-XF10E/EL/B)



■ Schematic Diagrams PLC-XF10E/EL/B





ASSY,PWB,MAIN MEGA 1AA0B10C23300

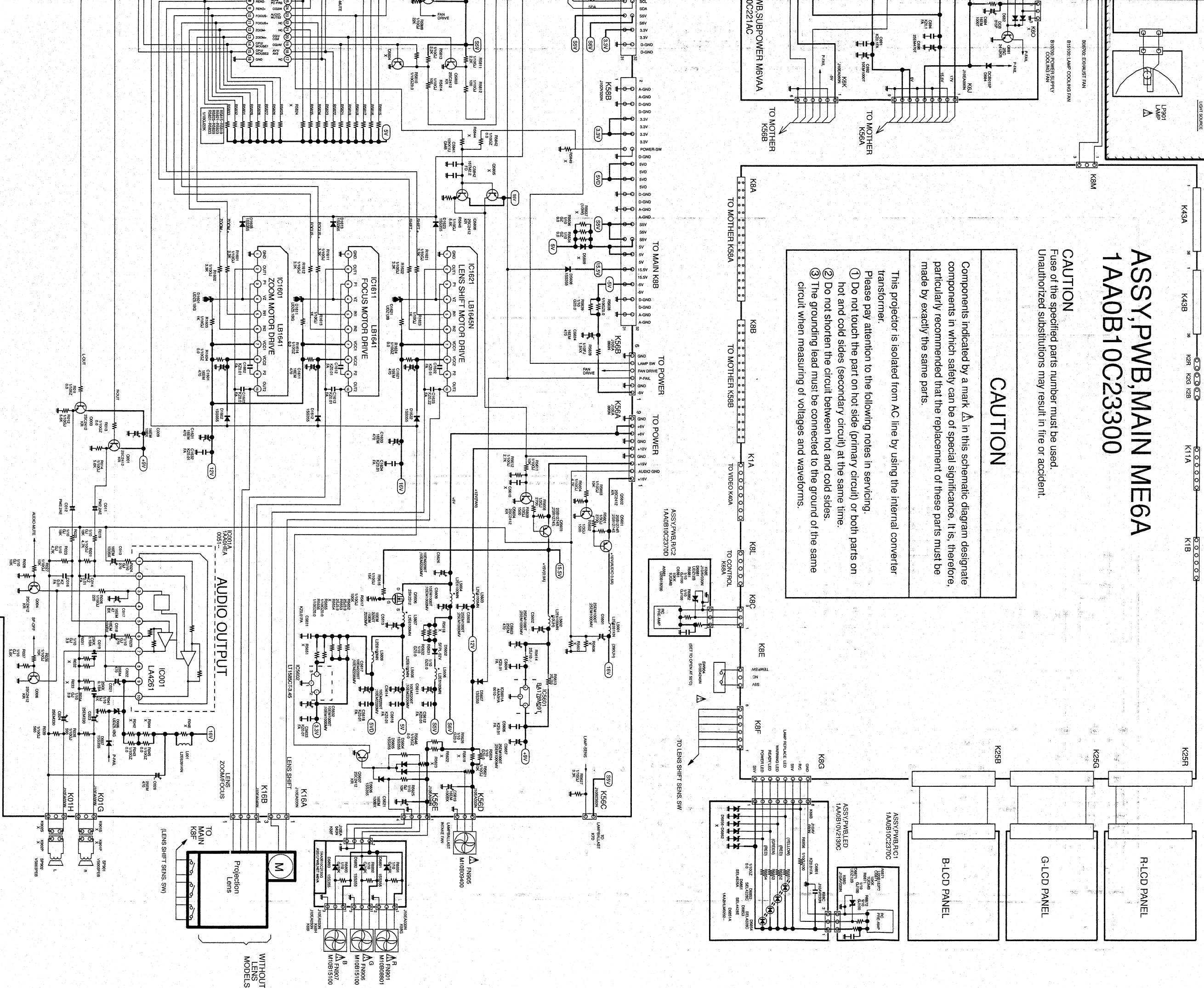
CAUTION

Fuse of the specified parts number must be used.
Unauthorized substitutions may result in fire or accident.

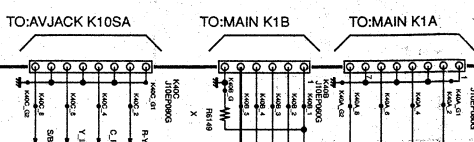
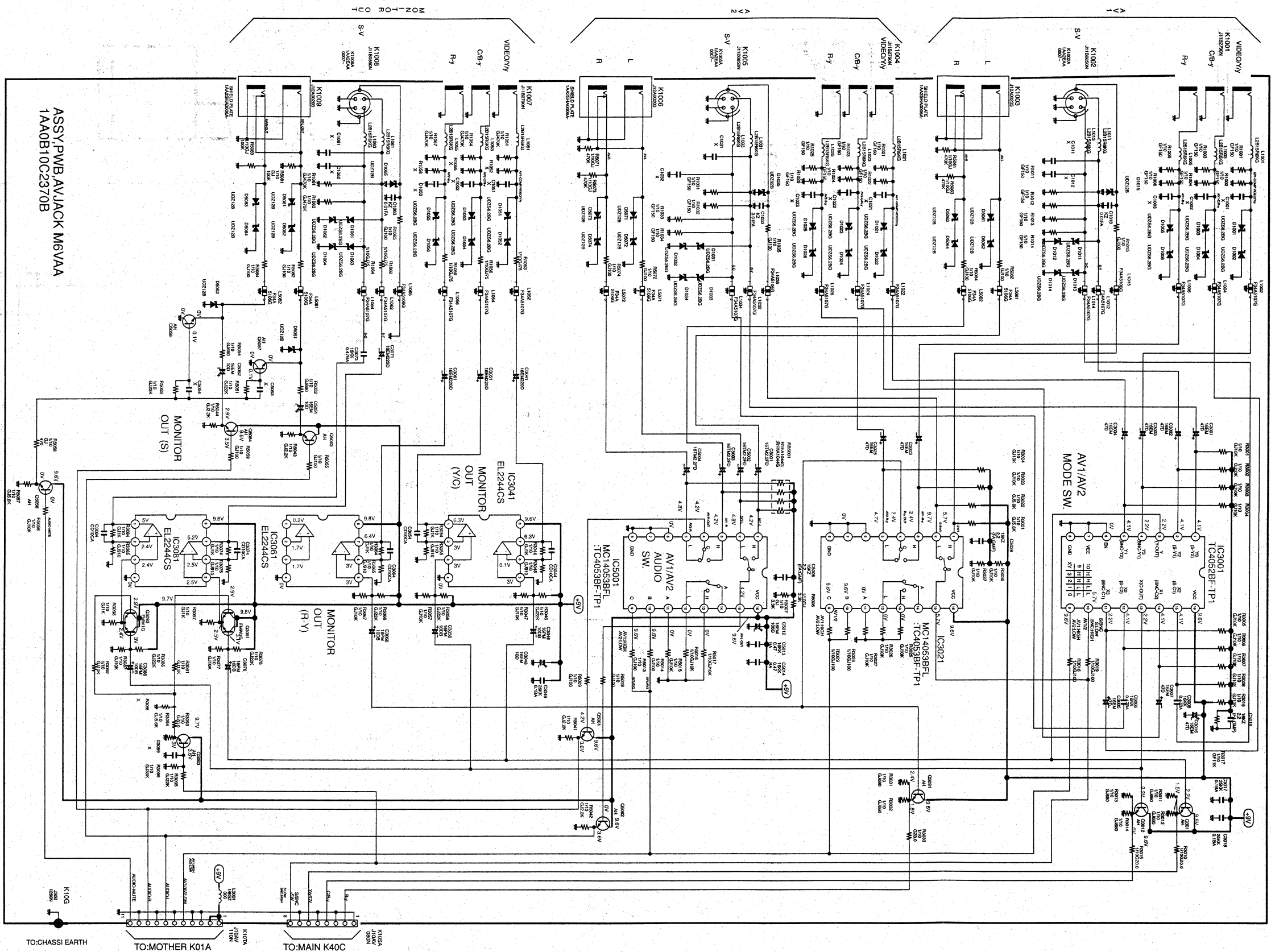
CAUTION

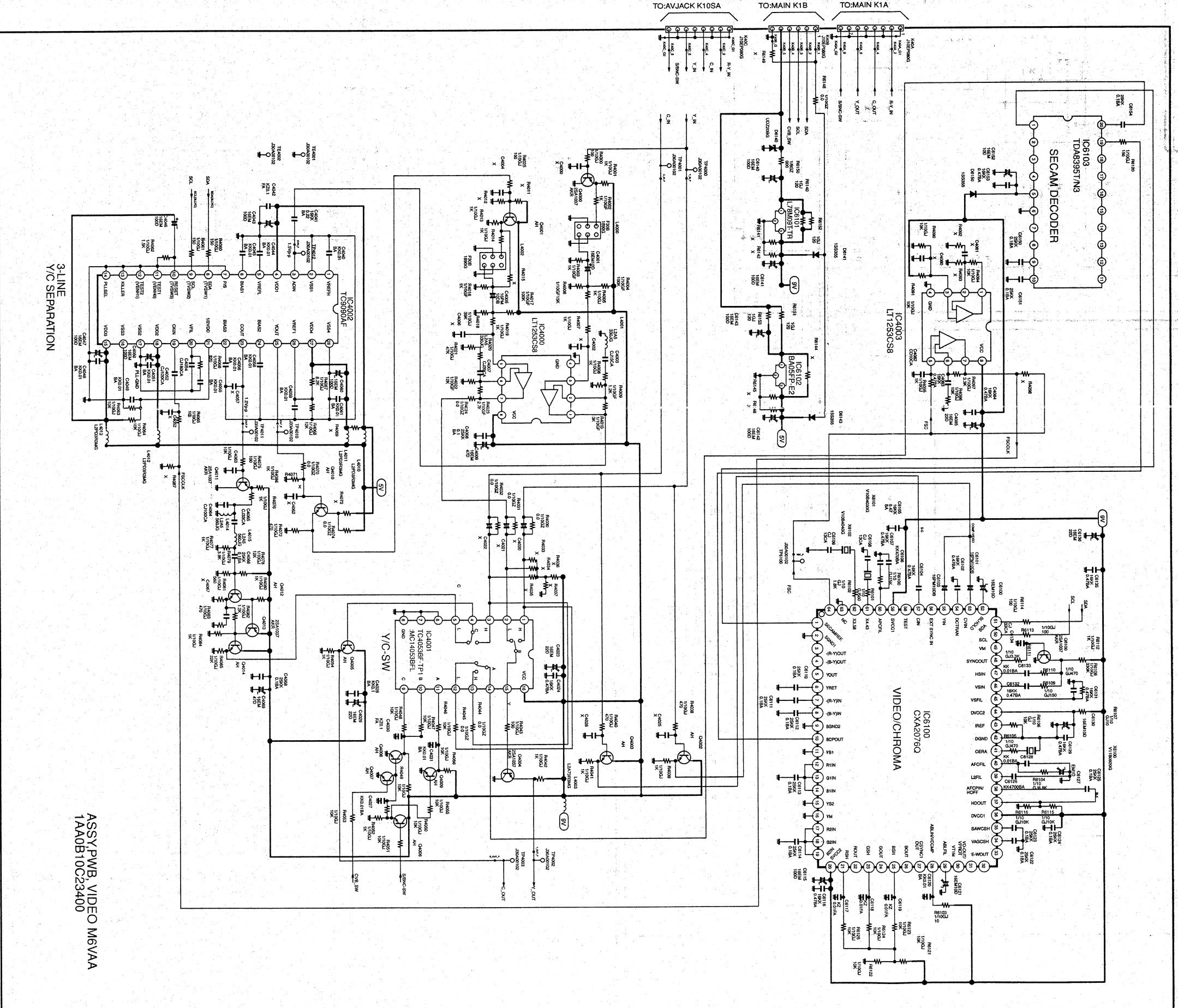
Components indicated by a mark Δ in this schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

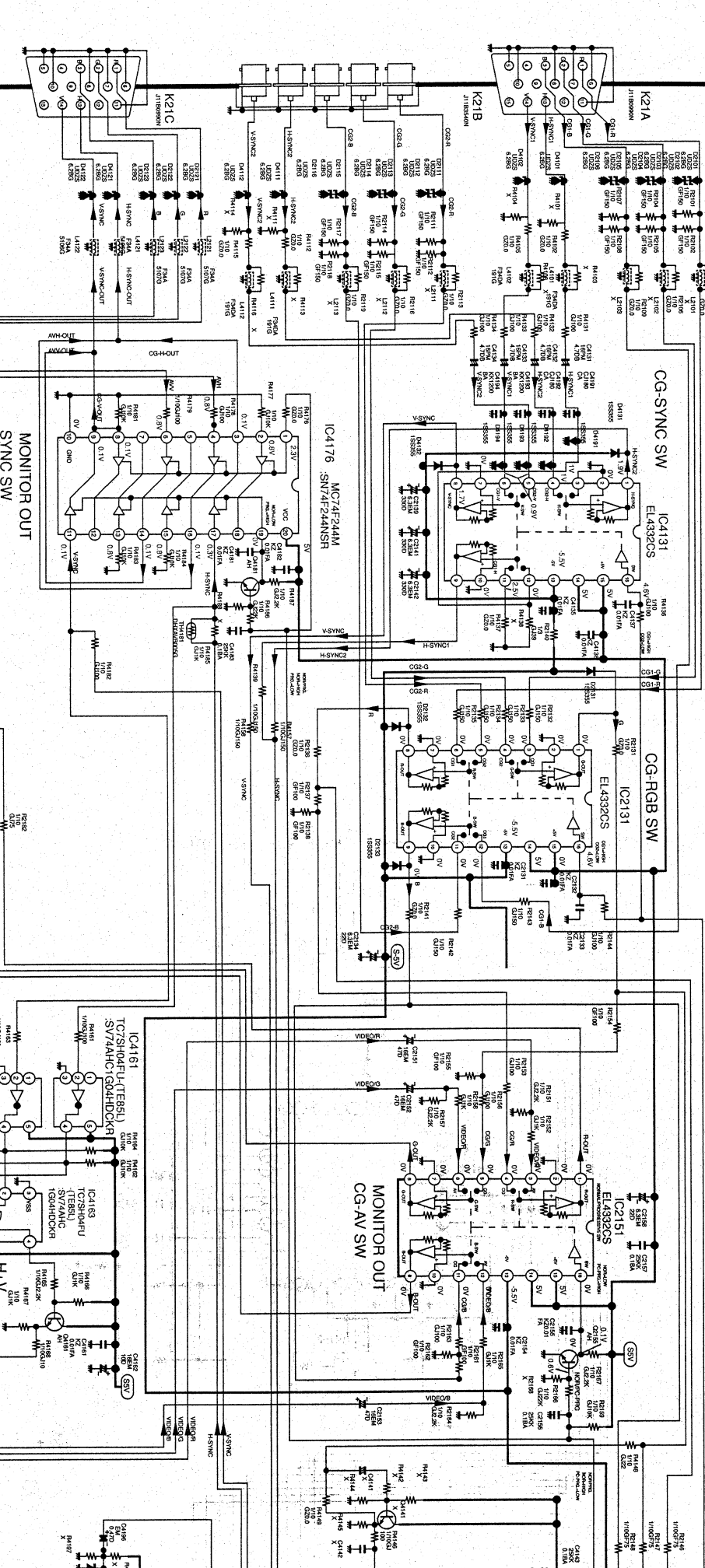
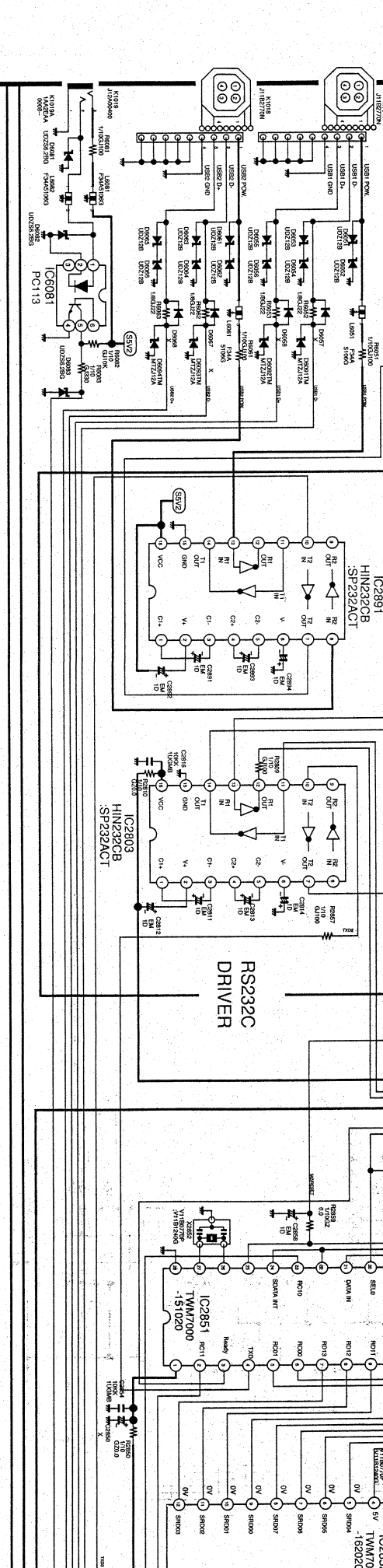
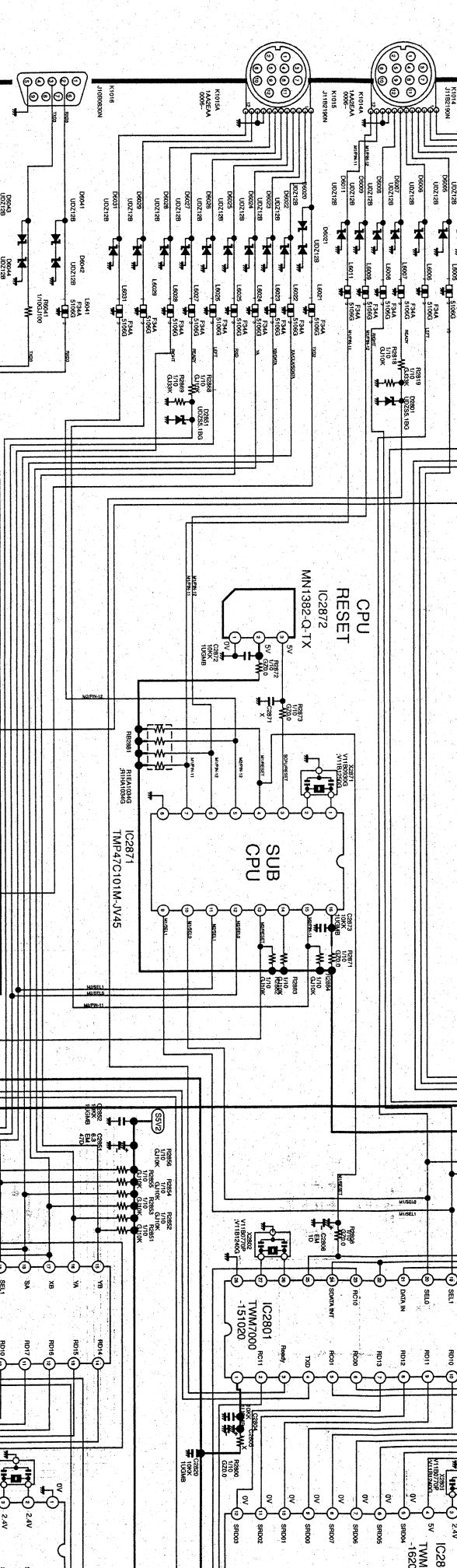
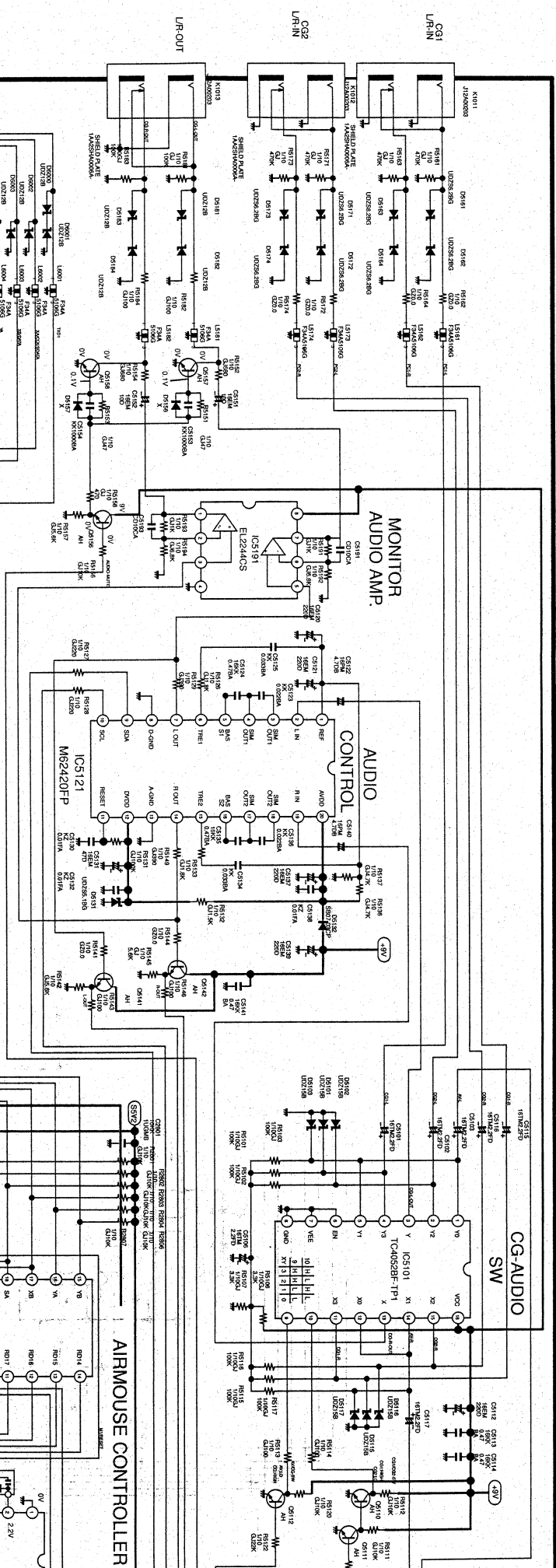
- This projector is isolated from AC line by using the internal converter transformer.
- ① Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
 - ② Do not shorten the circuit between hot and cold sides.
 - ③ The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.



ASSY,PWB,MOTHER M6VAA
1AA0B10C213AA

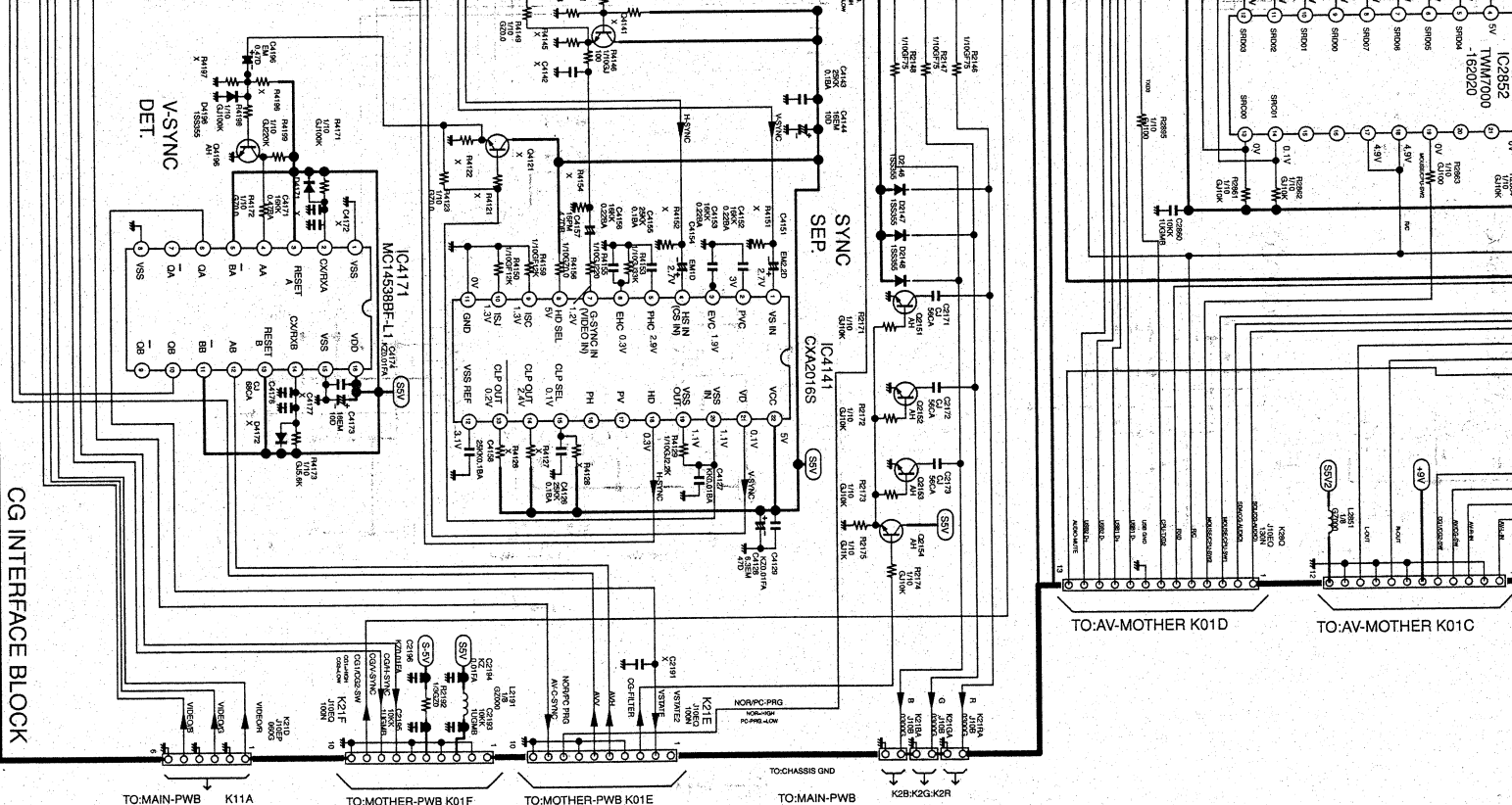
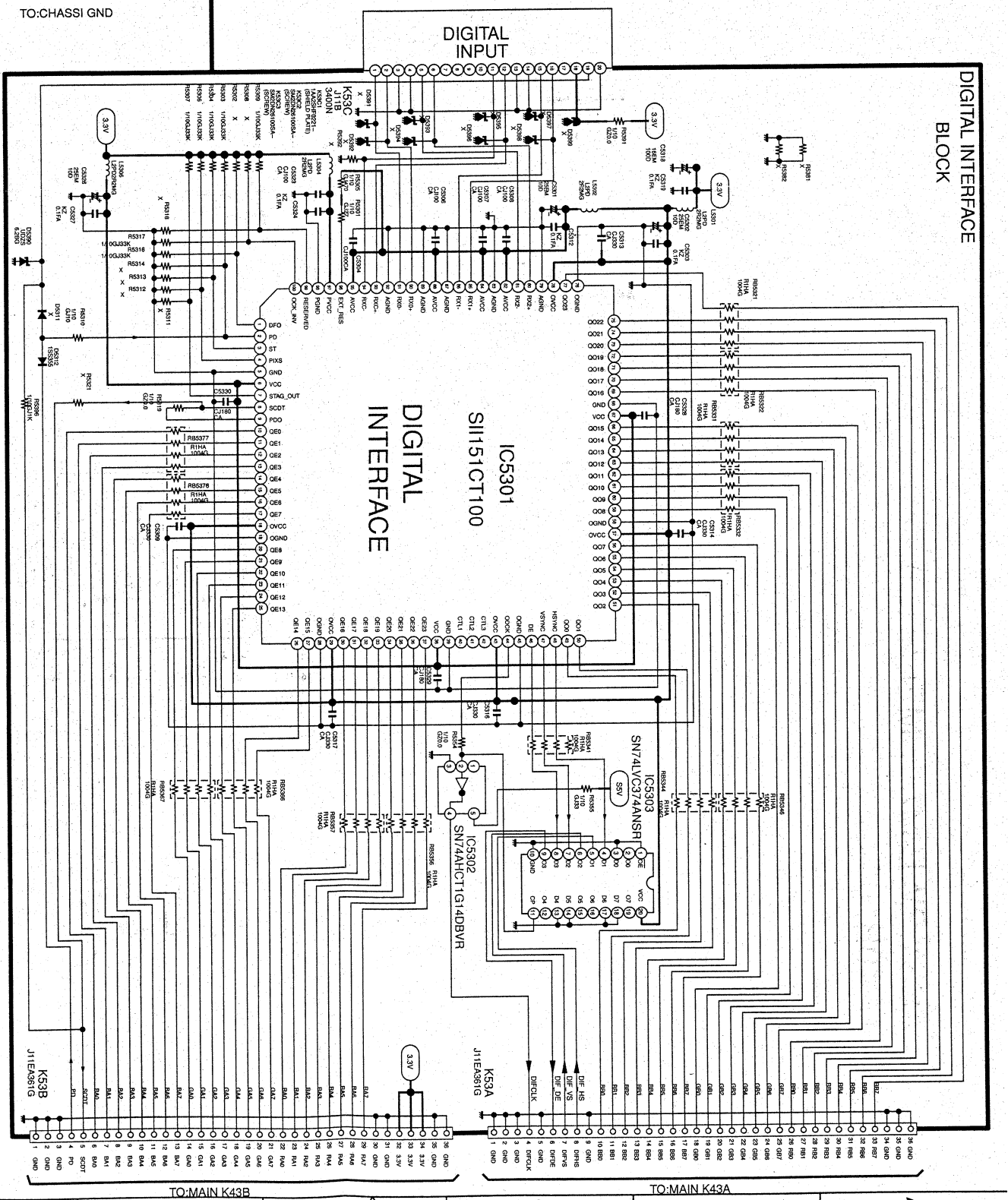






MOUSE INTERFACE BLOCK

DIGITAL INTERFACE BLOCK



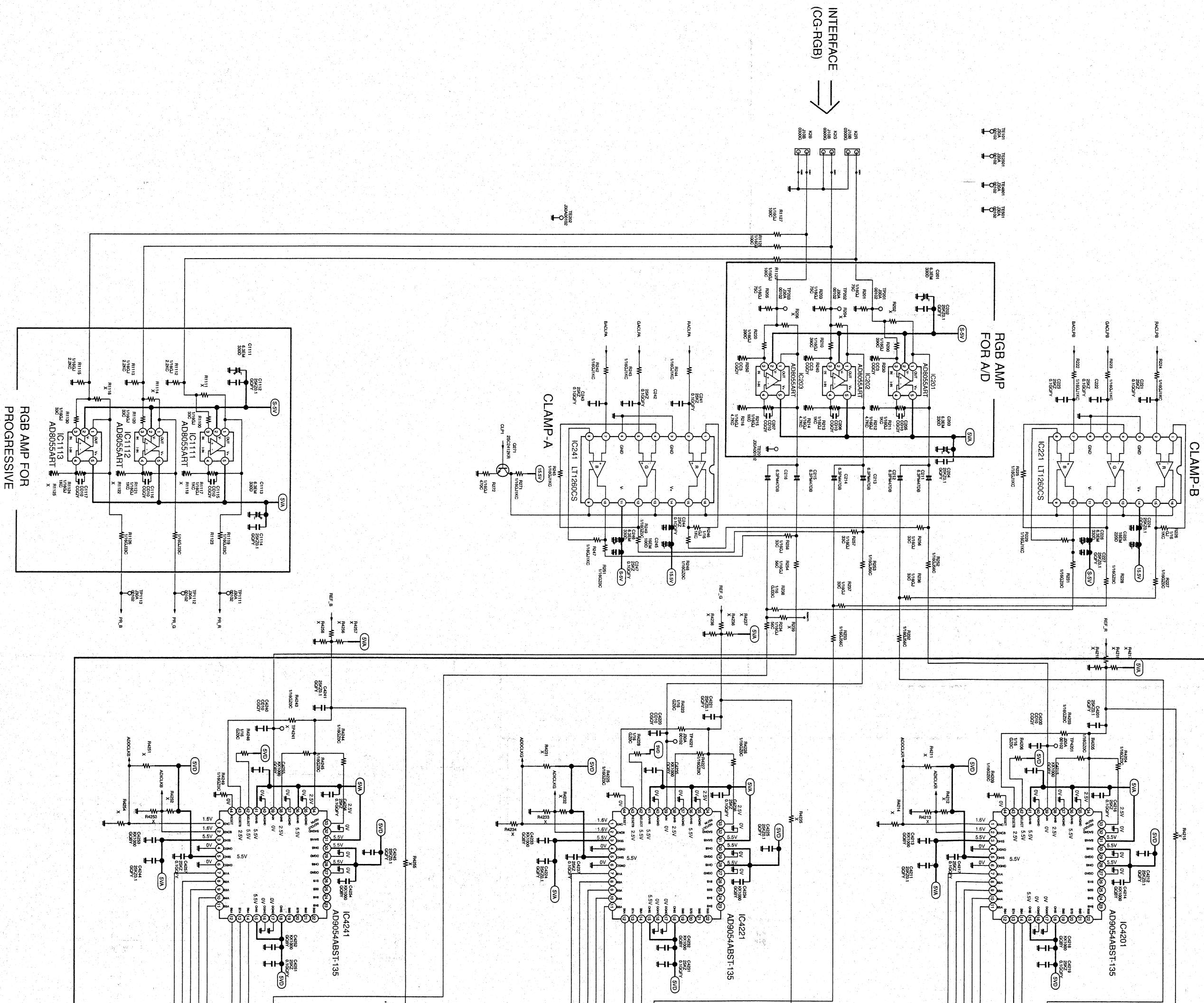
ASSY,PWB,INTERFACE M6VAA
1AA0B10C2370A

NOTE:

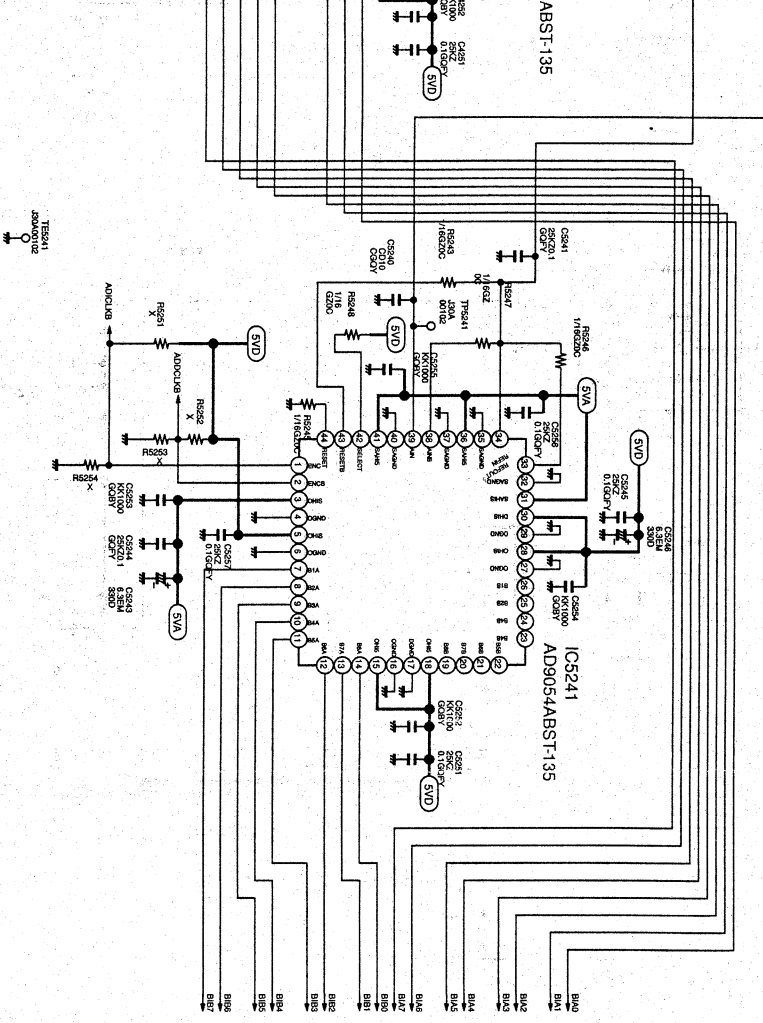
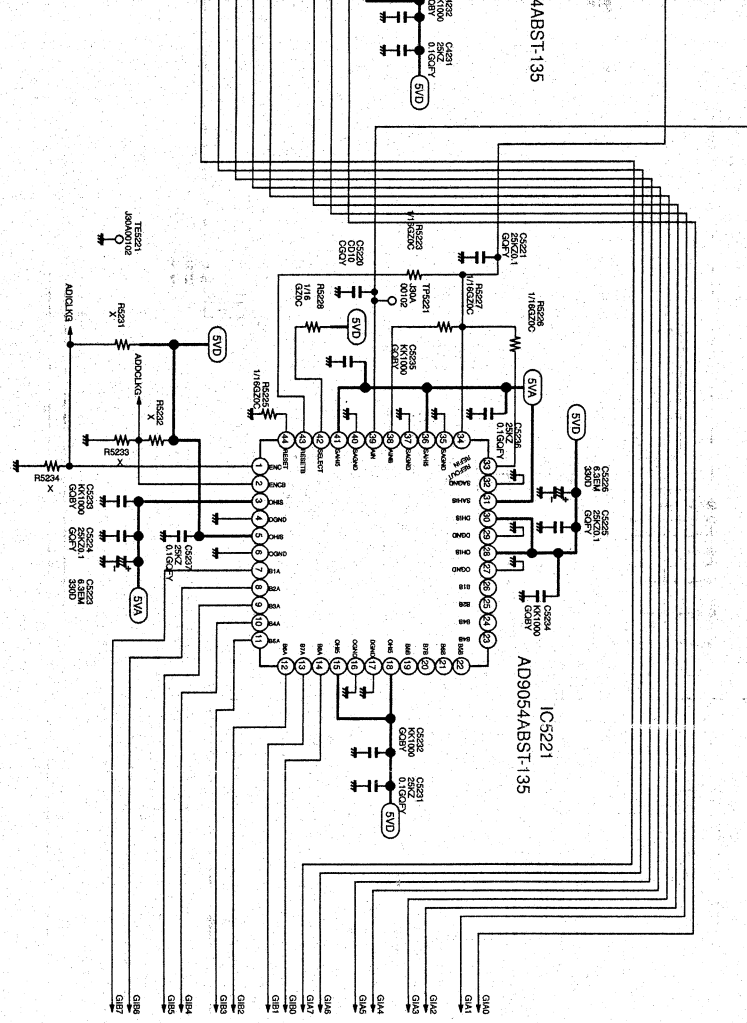
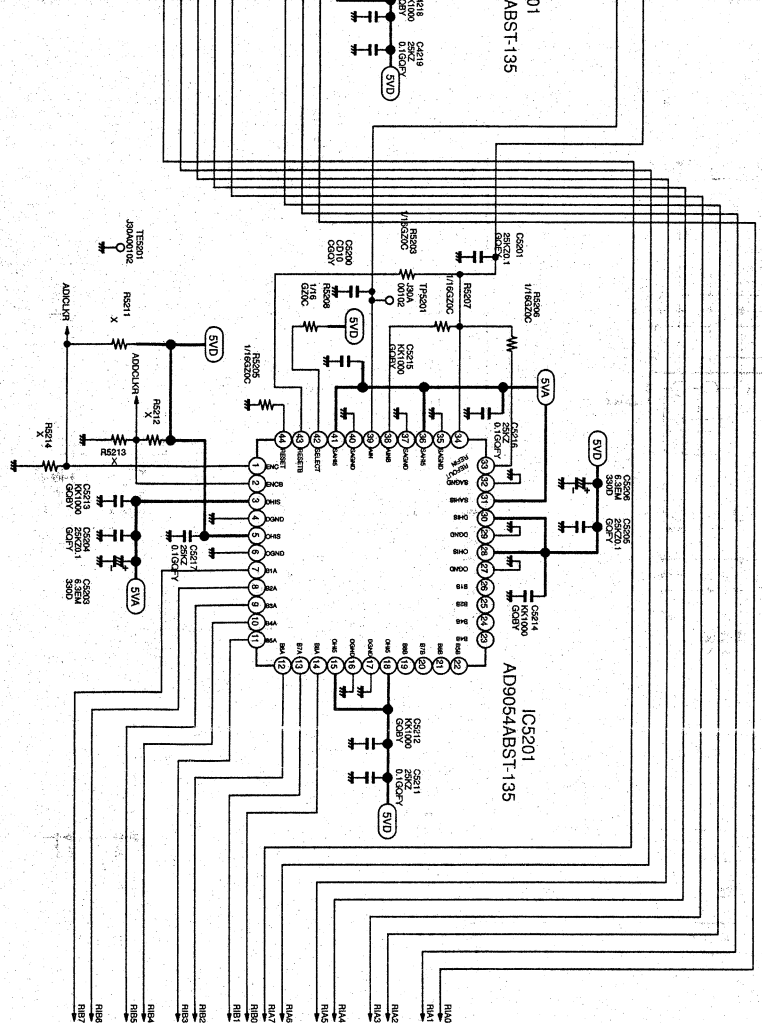
1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE 1/4W.
2. RESISTORS SPECIFIED WITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALUE ARE 1/4W.
3. ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.
4. PARTS MARKED WITH **Q** ARE QUALITY ASSURED.
5. TYPICAL VALUES ARE SHOWN IN PARENTS.
6. SCHEMATIC OF THE BOARD.
7. ISOLATION BOARD LINE.
8. COLD SIDE.
9. COLD SIDE.
10. COLD SIDE.
11. COLD SIDE.
12. COLD SIDE.
13. COLD SIDE.
14. COLD SIDE.
15. COLD SIDE.
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ASSY,PWB,MAIN MEGA(1/5)
1AA0B10C23300

A/D C

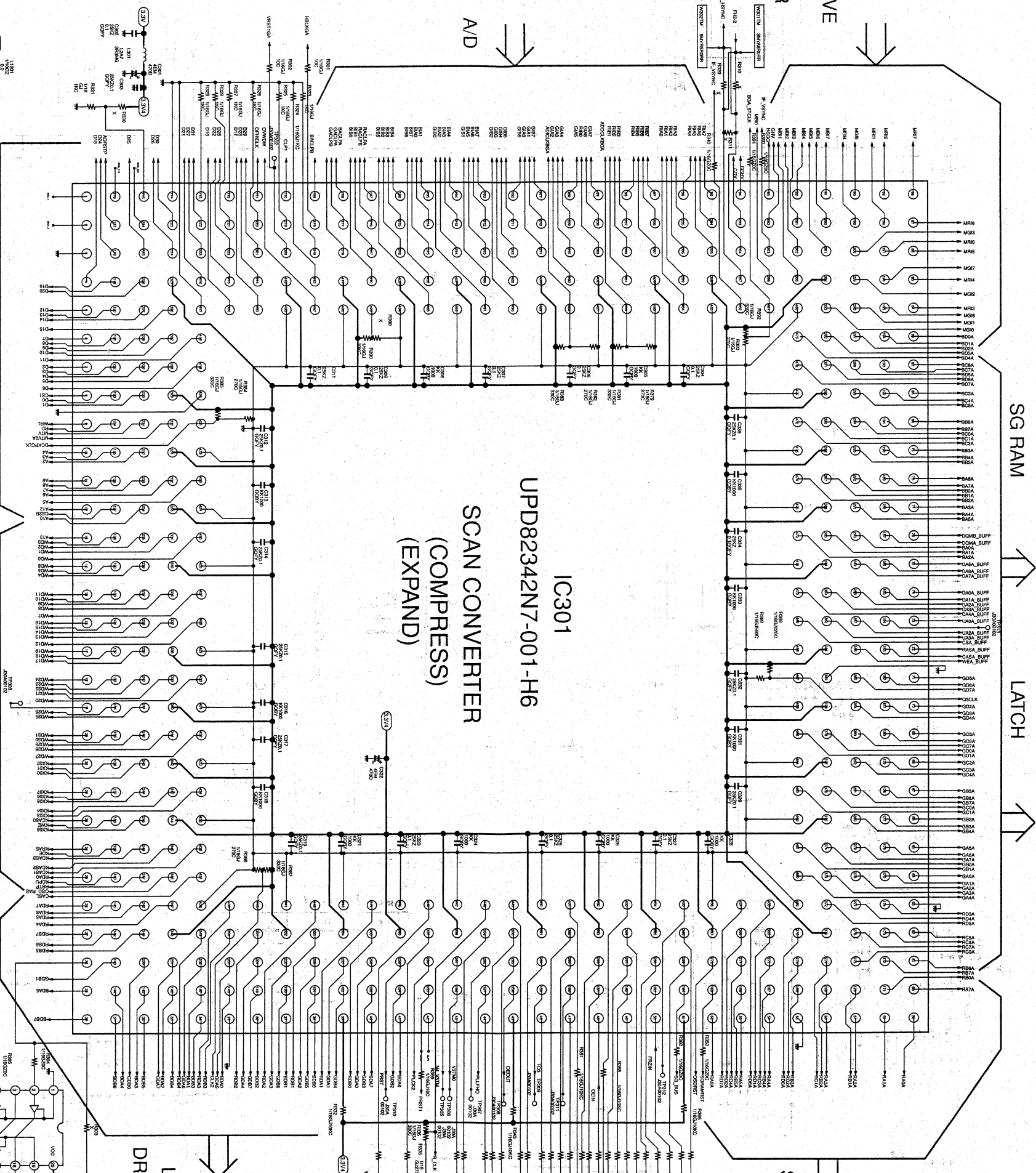


AD CONVERTER



SCAN
CONVERTER





PROGRESSIVE
SCAN
CONVERTER
DIGITAL
INTERFACE

A/D

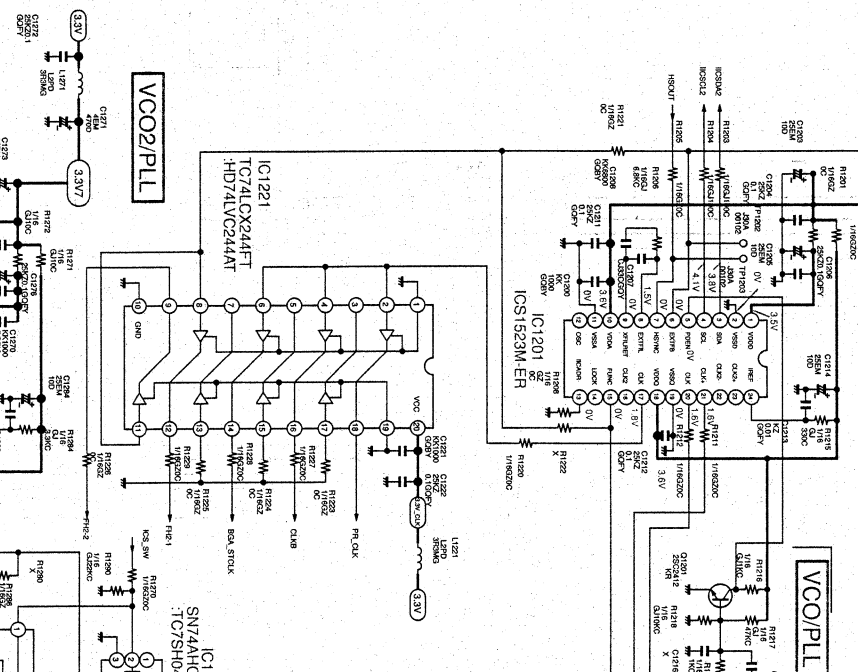
SCAN CONVERTER
(COMPRESS)
(EXPAND)

IC301
UPD82342N7-001-H6

CMOS & FPGA

DRAM

LC
DRIVE

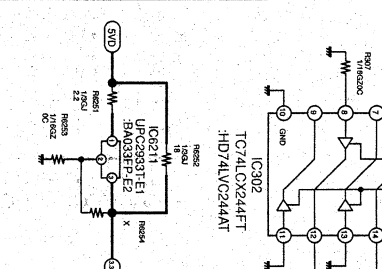


VCO2/PLL

VCO/PLL

Bi-CMOS
UPD67821

SCAN
CONVERTER
&
FPGA



SG RAM

SGRAM

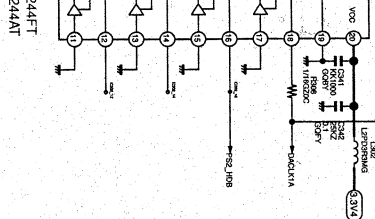
IC3201

MB81G163222-80TQ

IC3211

MB81G163222-80TQ

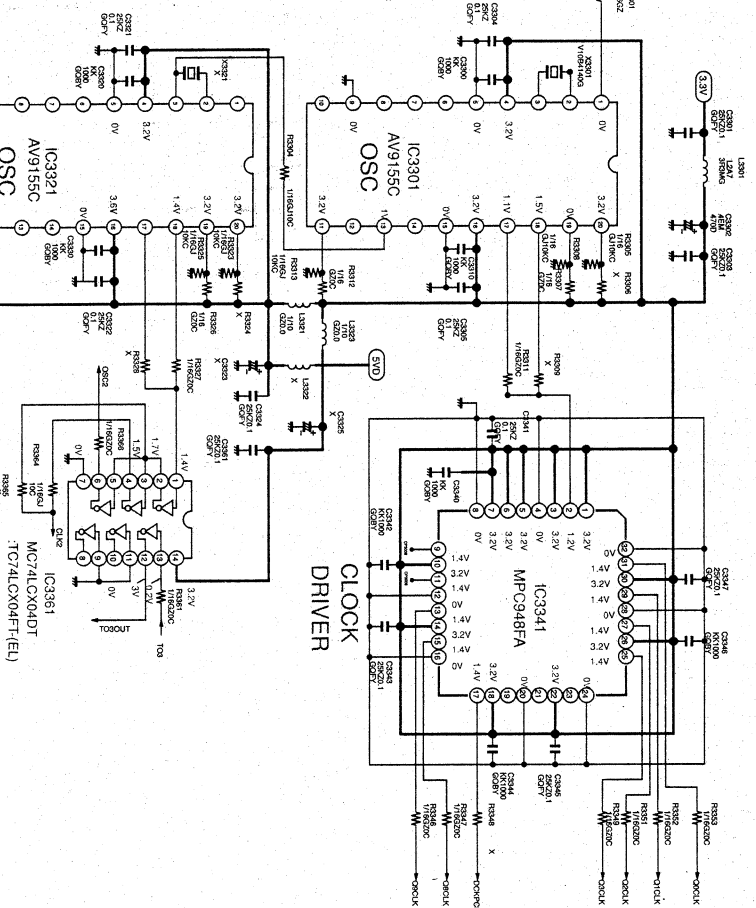
LCD
DRIVER



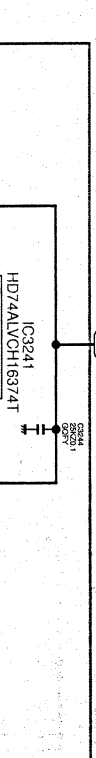
IC3221

MB81G163222-80TQ

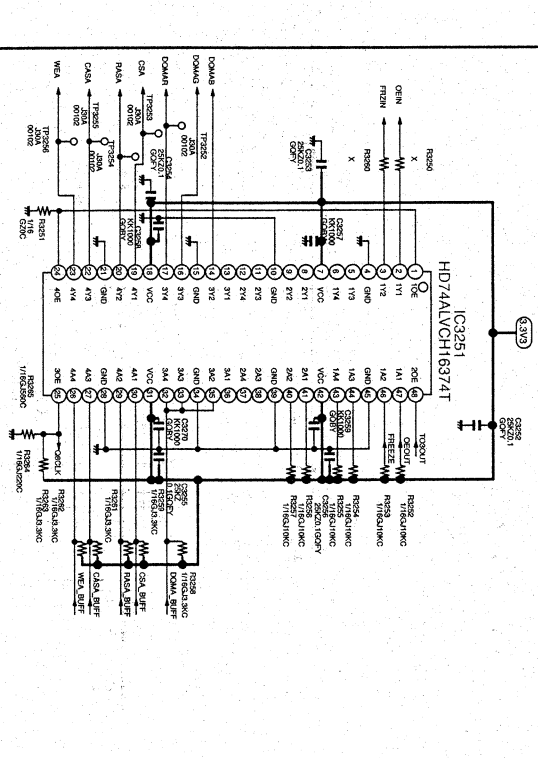
ENTER



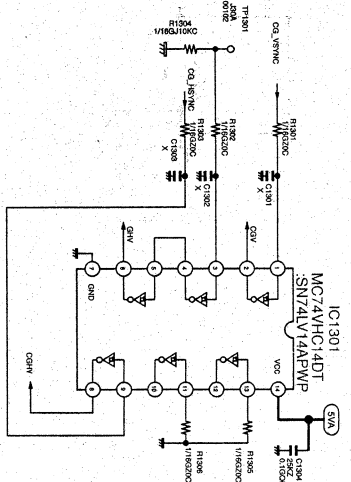
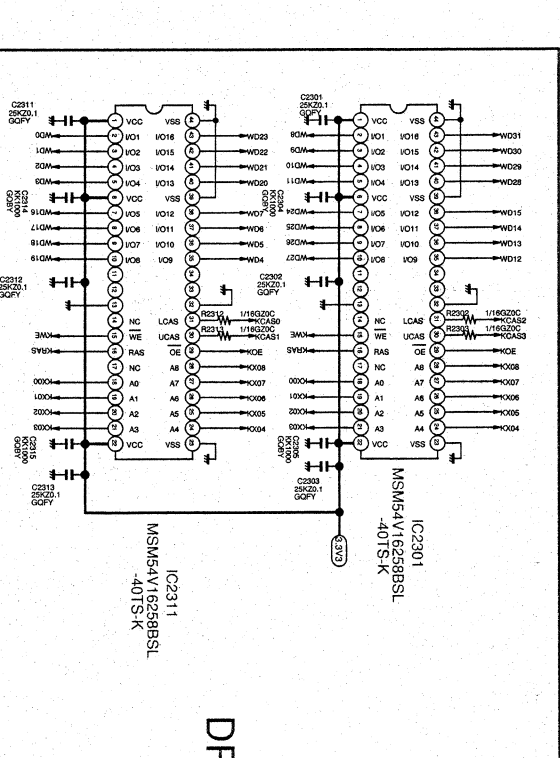
CLOCK
DRIVER



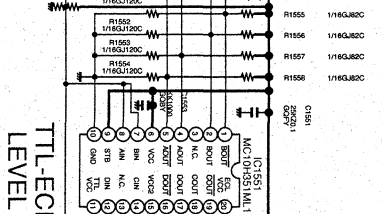
LATCH



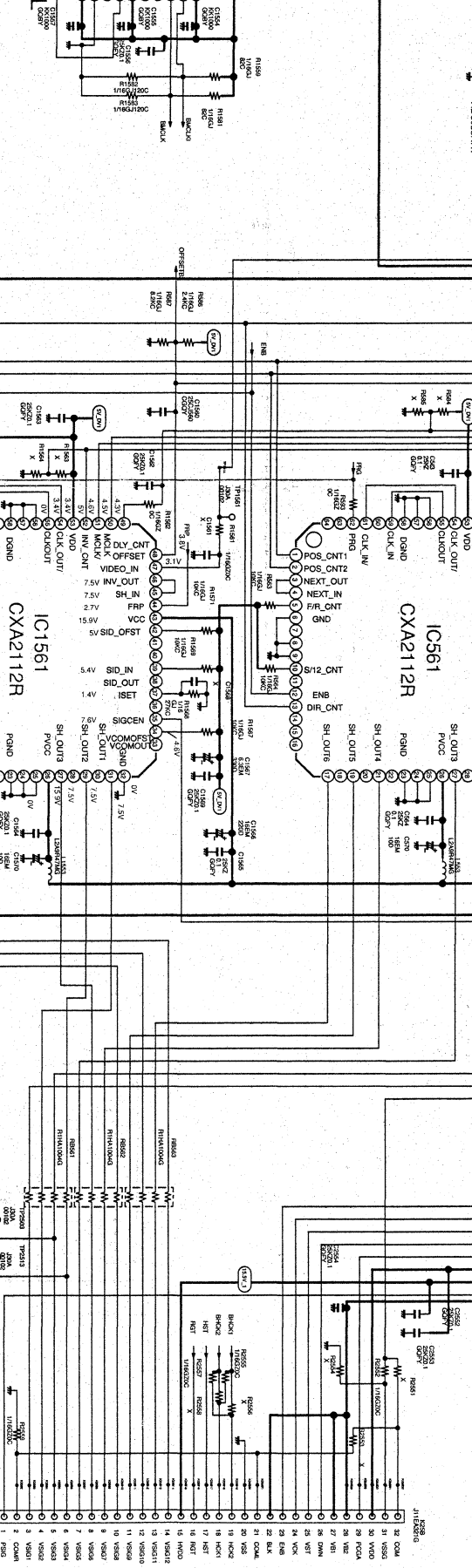
DRAM



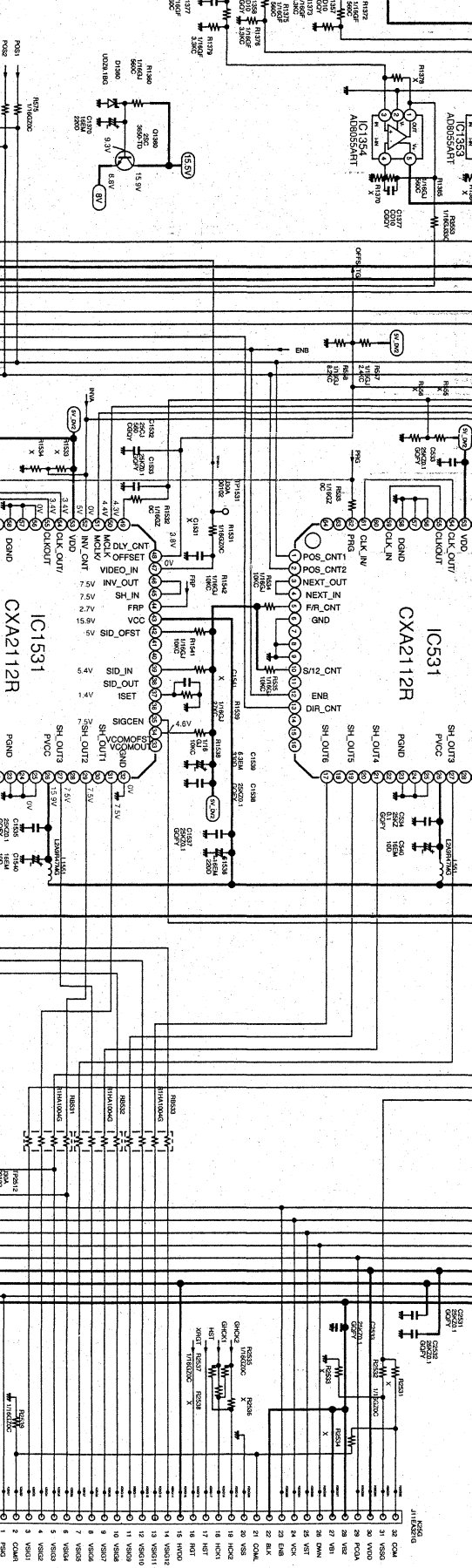
TTL-ECL
LEVEL



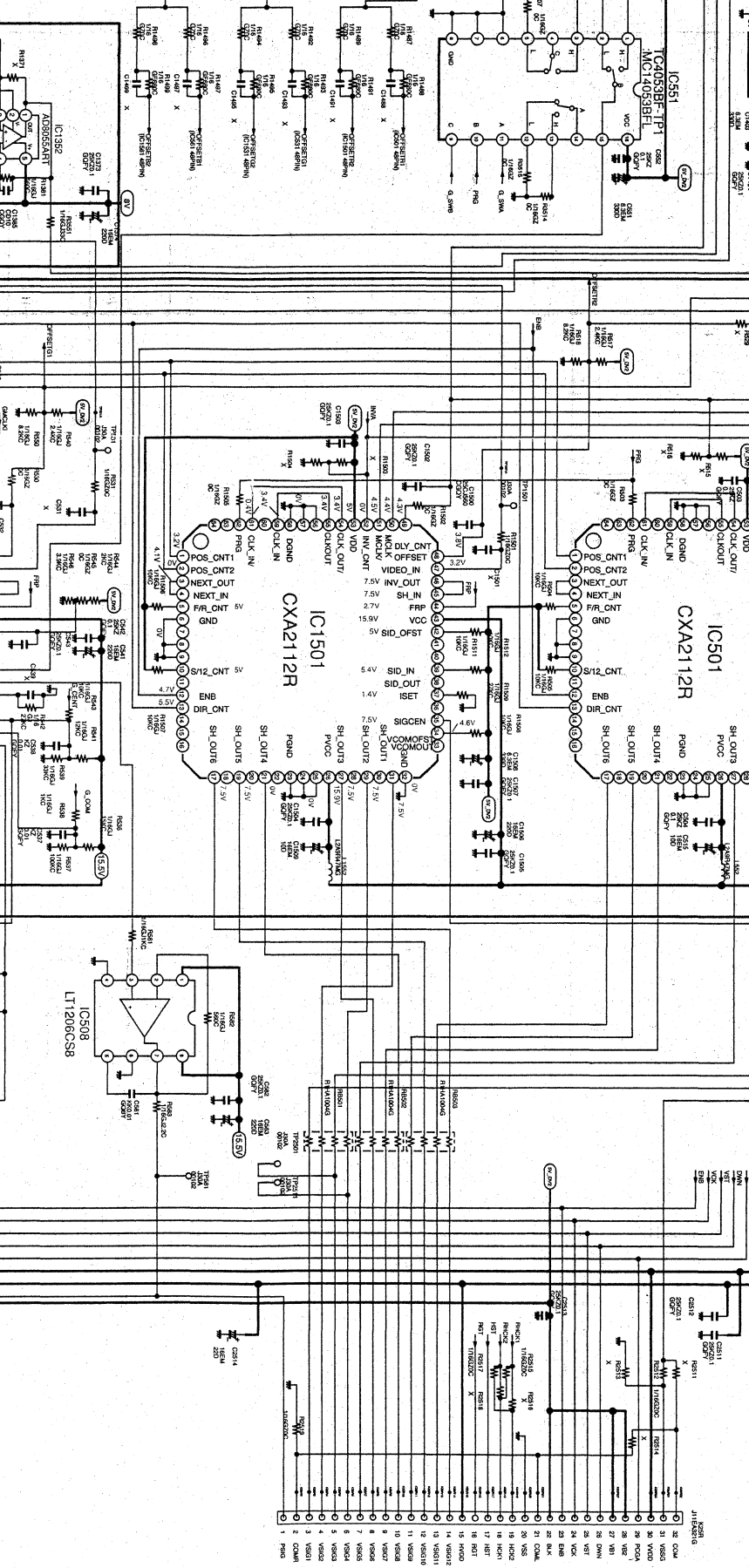
B PANEL



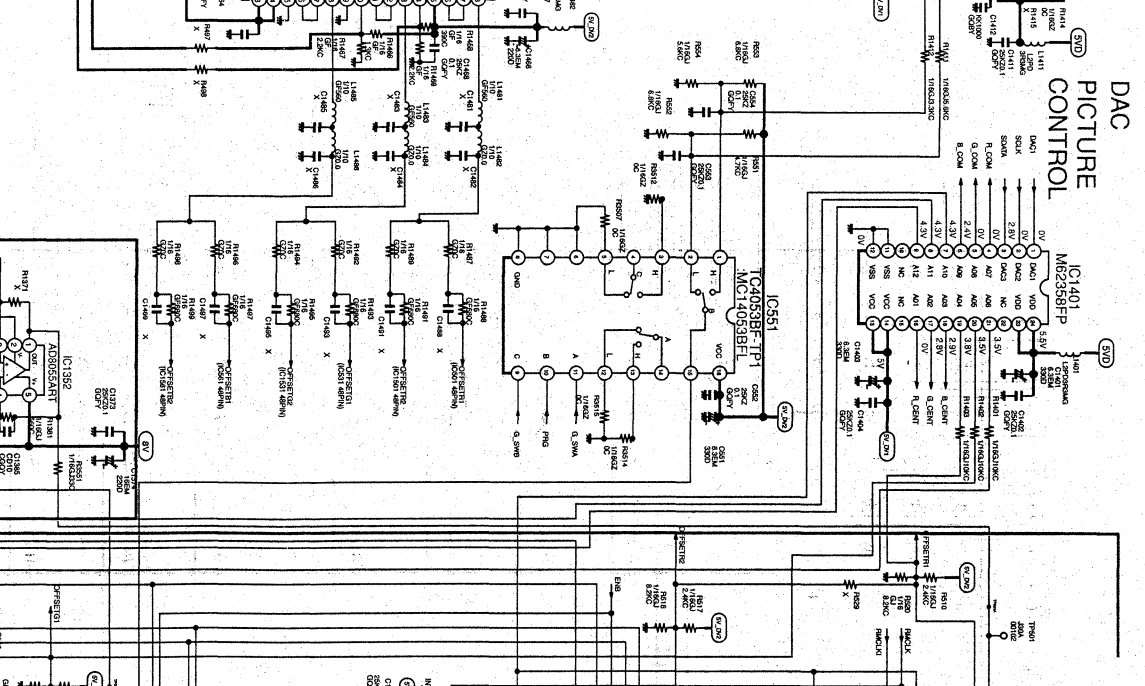
G PANEL



R PANEL

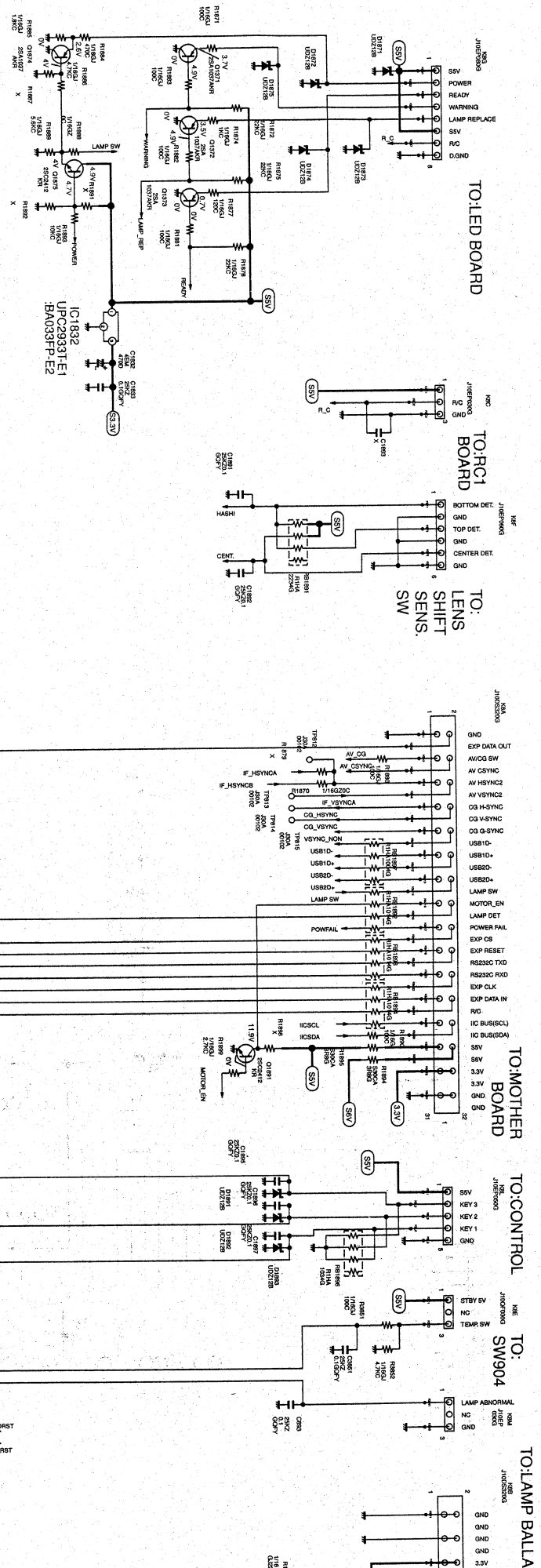


SAMPLE & HOLD

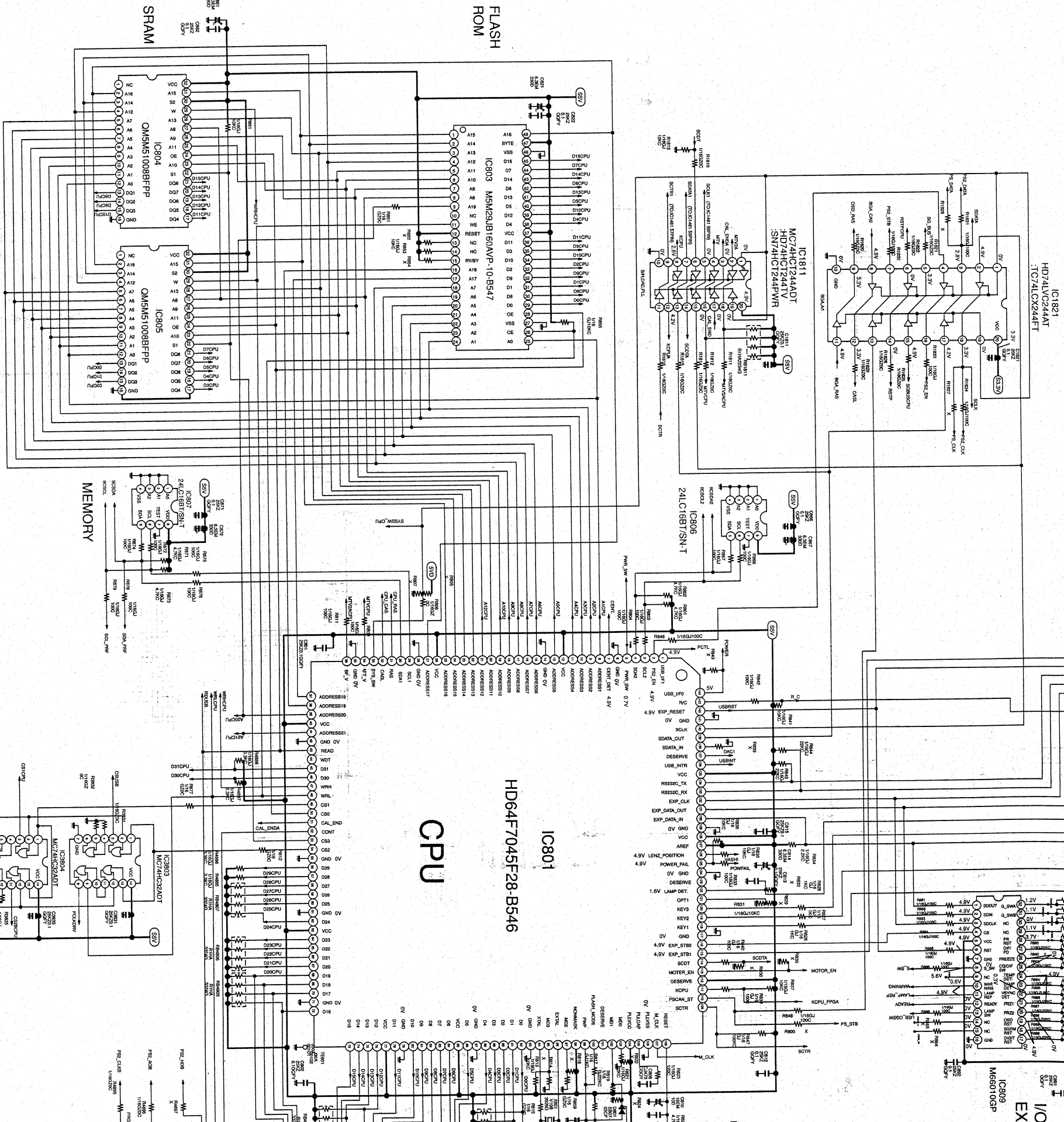


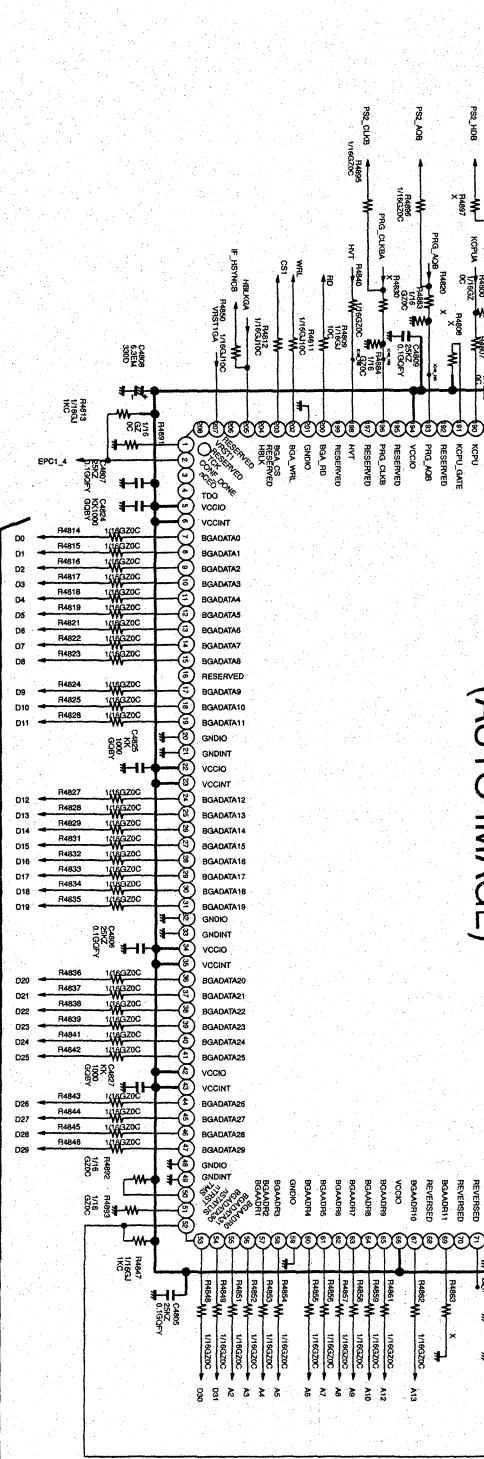
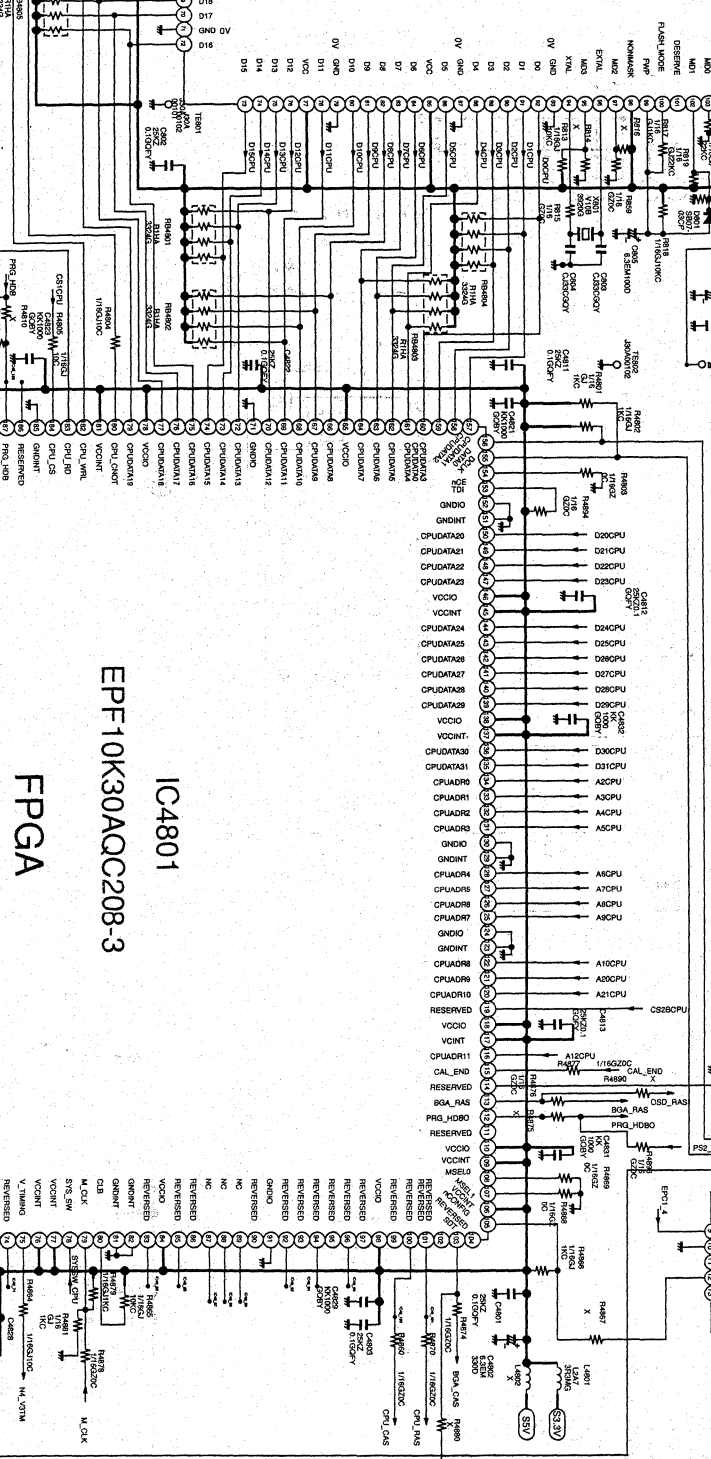
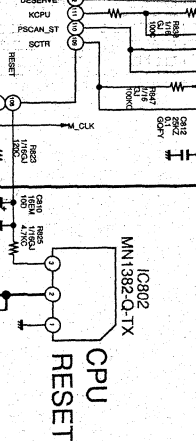
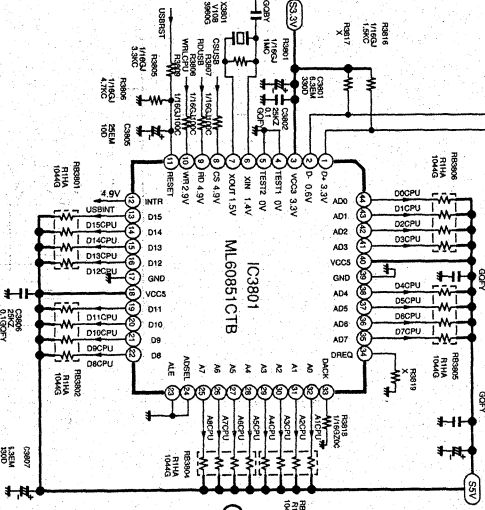
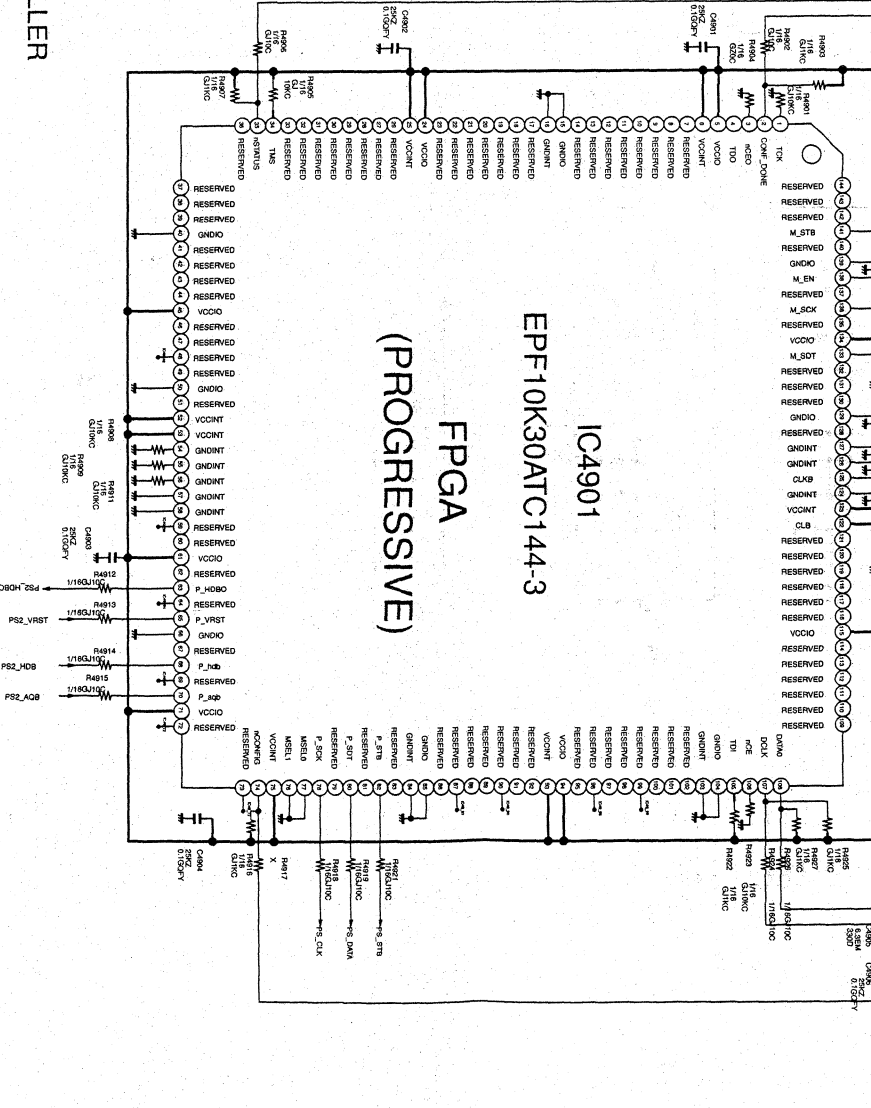
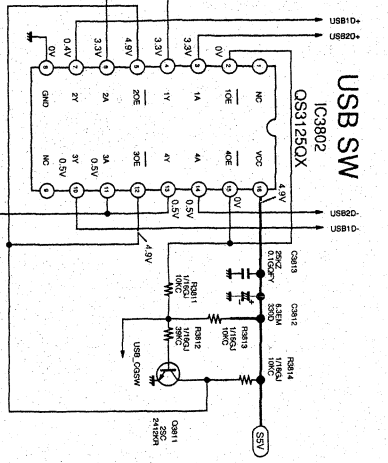
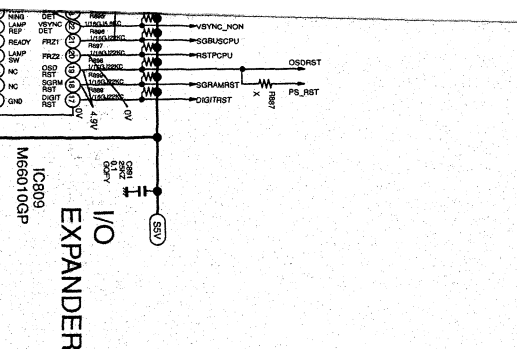
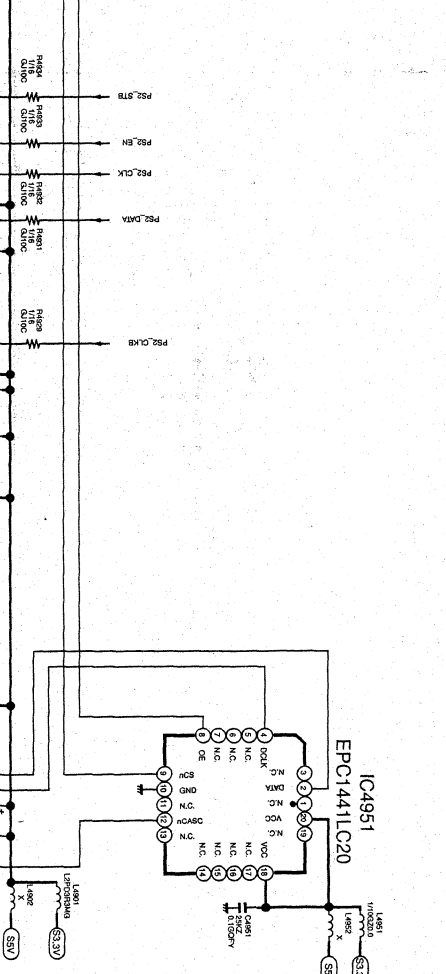
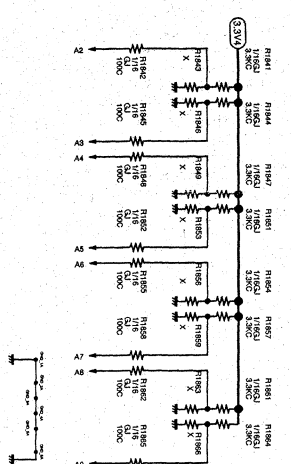
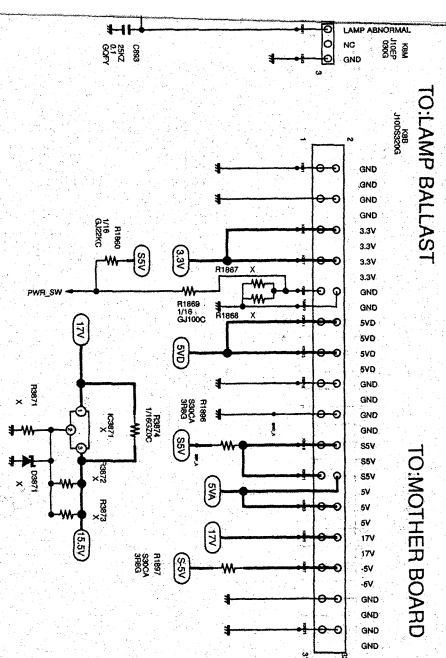
DAC
PICTURE
CONTROL

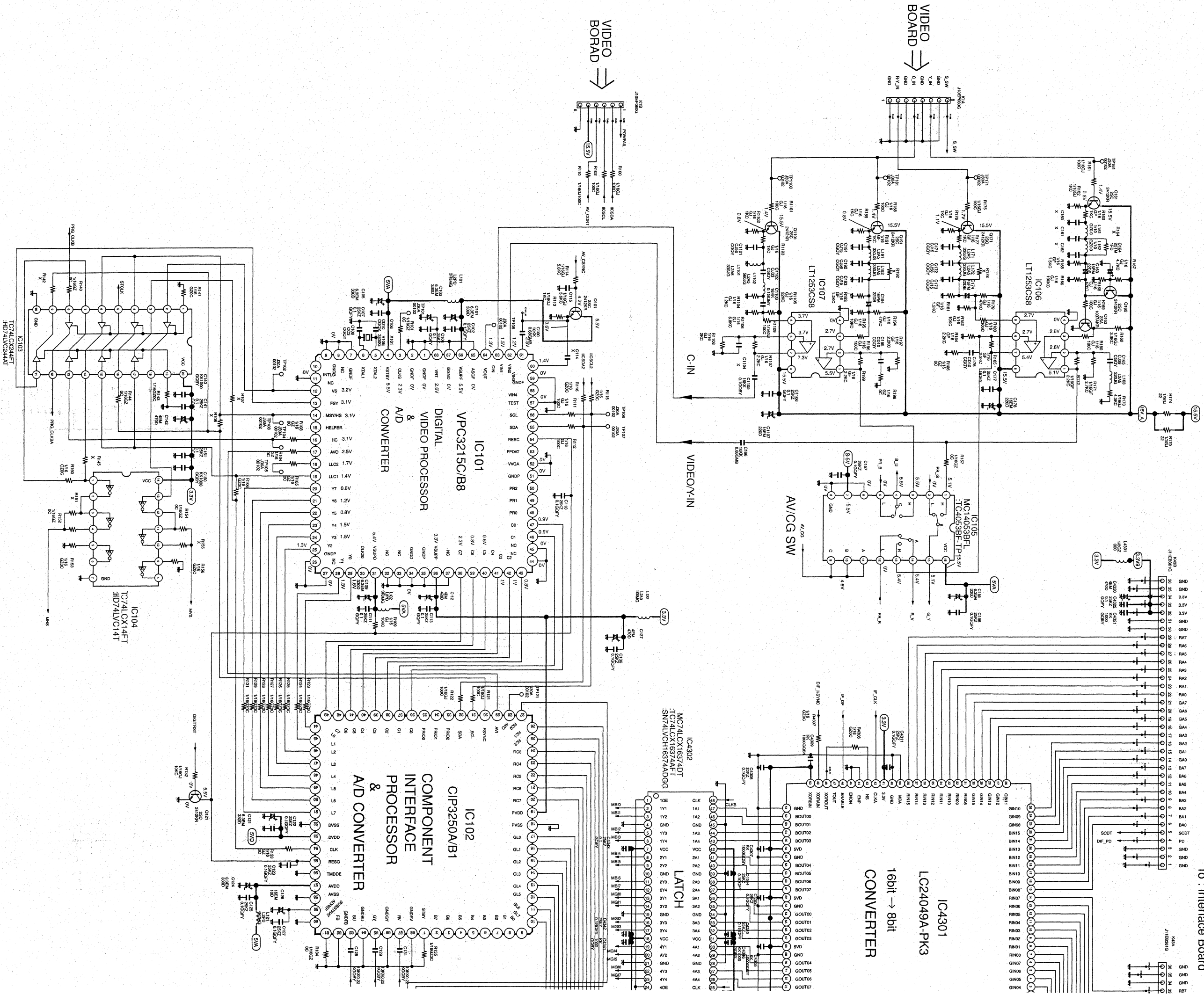




ASSY,PWB,MAIN MEGA(4/5)

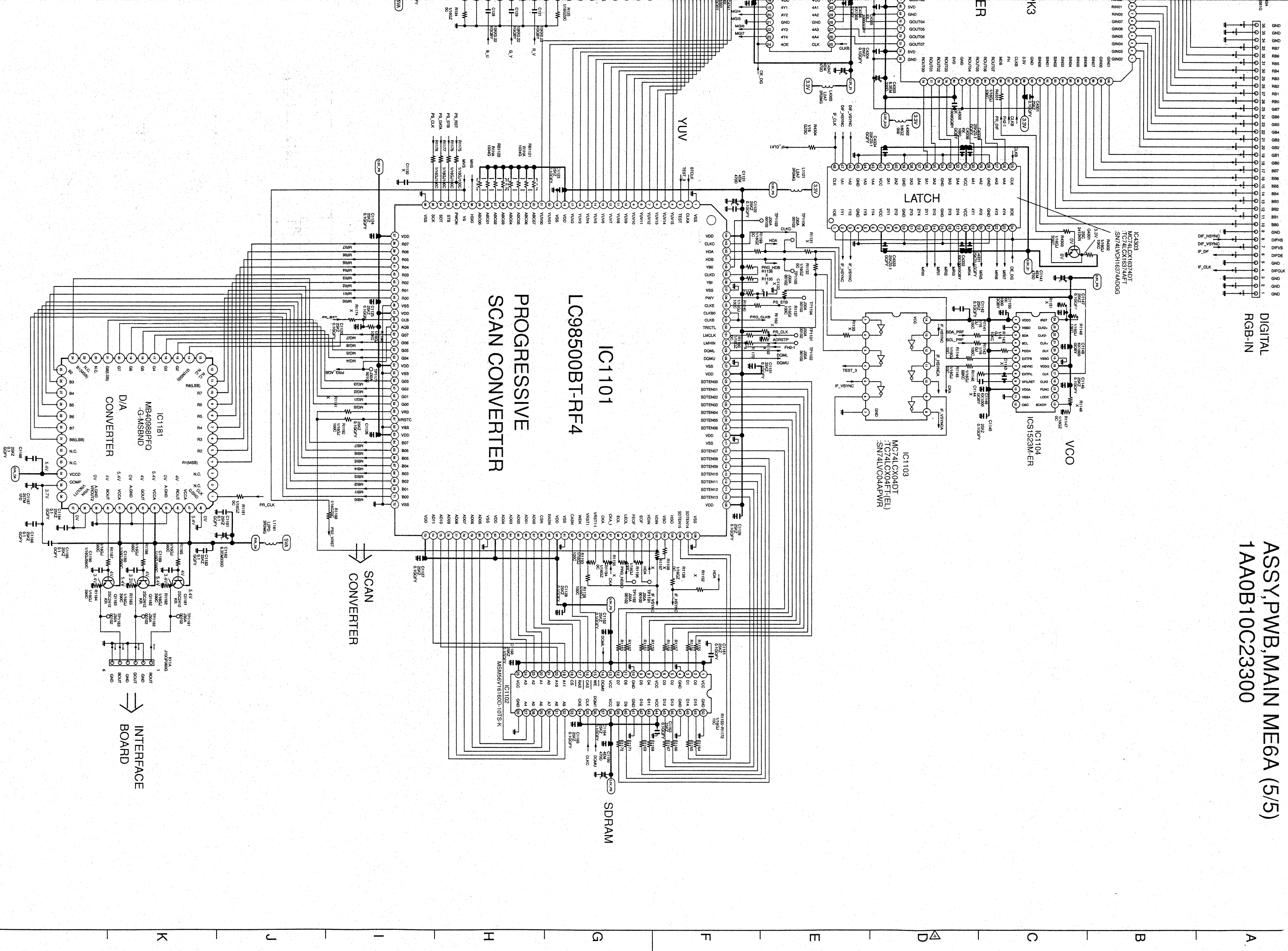






DIGITAL
RGB-IN

ASSY,PWB,MAIN MEGA (5/5)
1AA0B10C23300

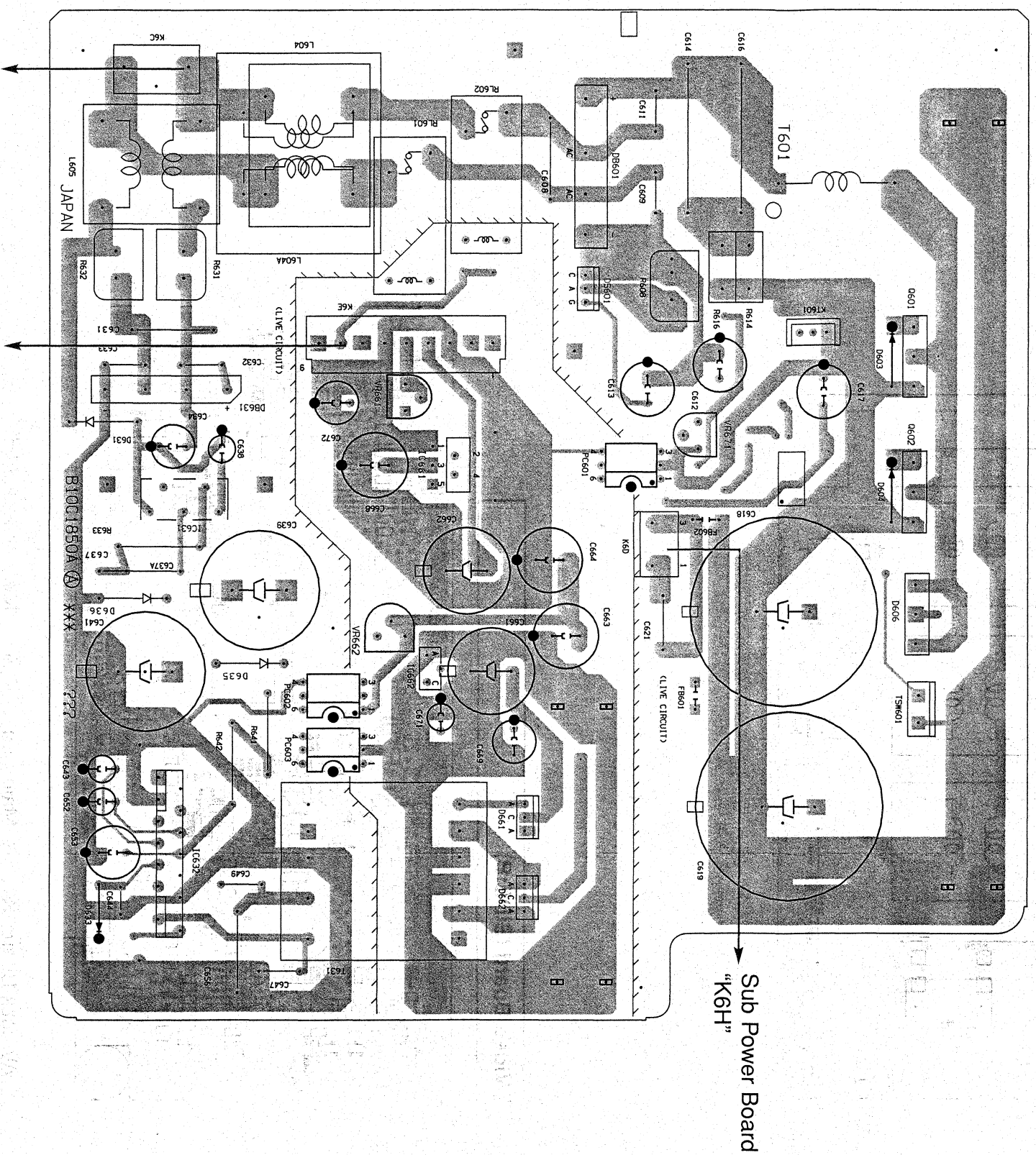


■ Printed Wiring Board Diagrams
(PLC-XF10E/EL/B)

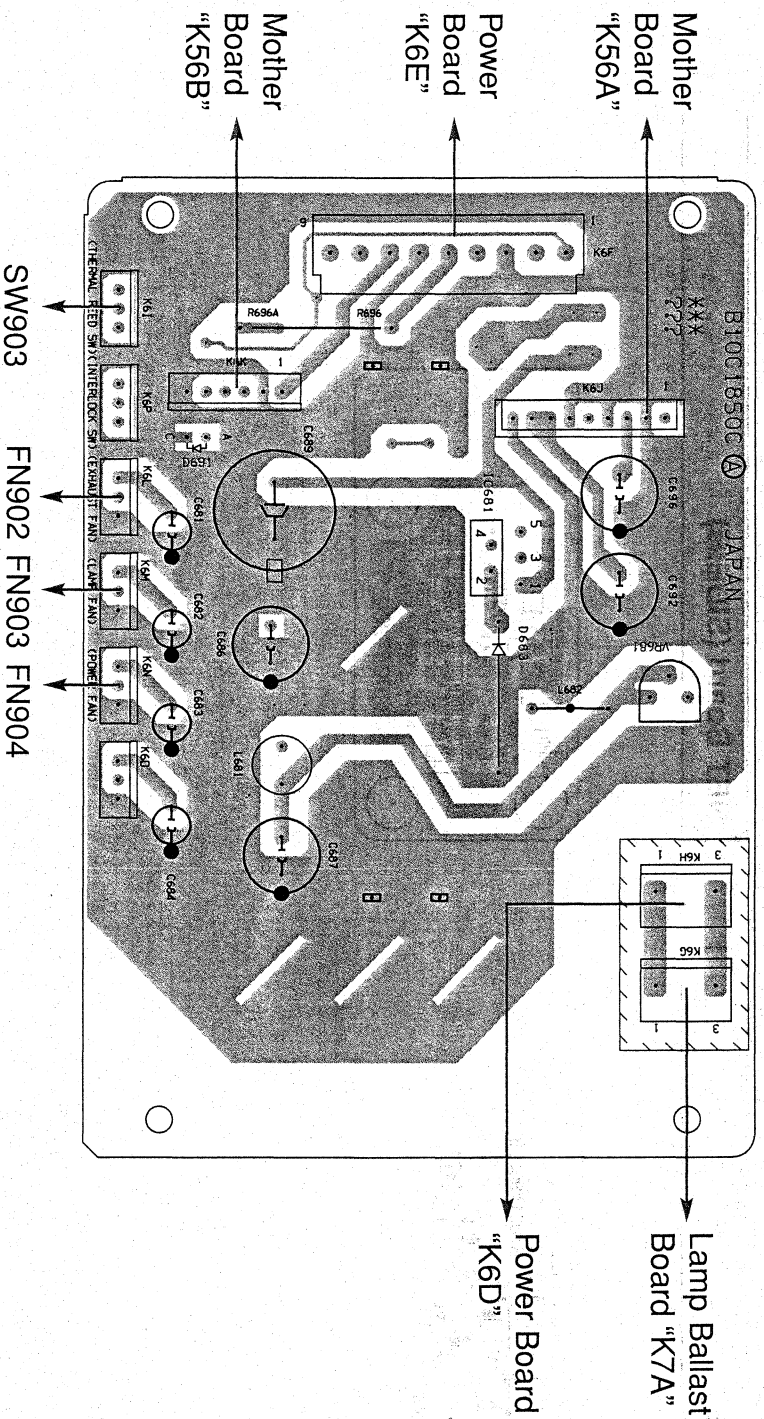
⚠ CAUTION

This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing
1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

Power Board (SIDE:A)



Sub Power Board (SIDE:A)

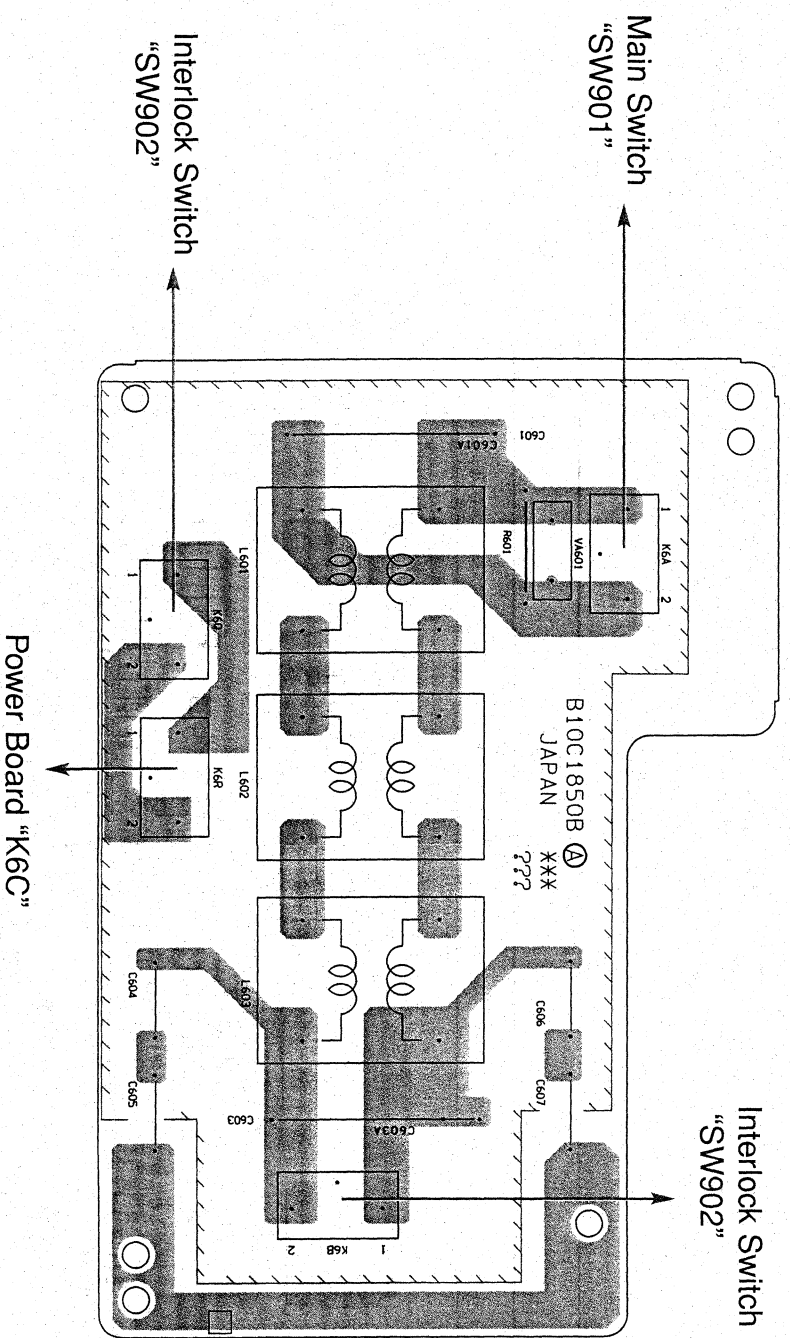


[illegible]

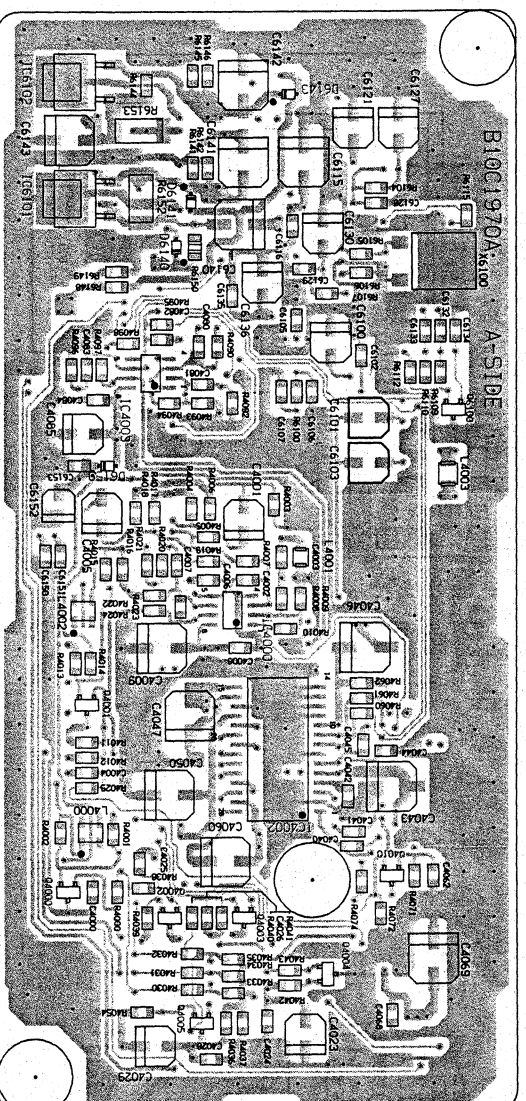
1



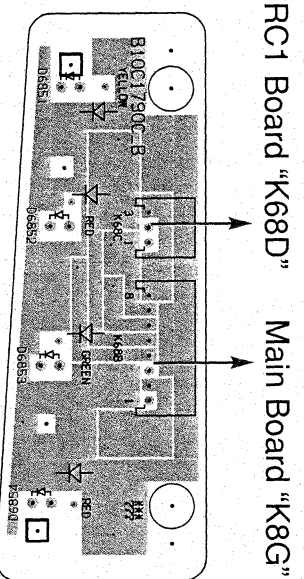
Filter Board (SIDE:A)



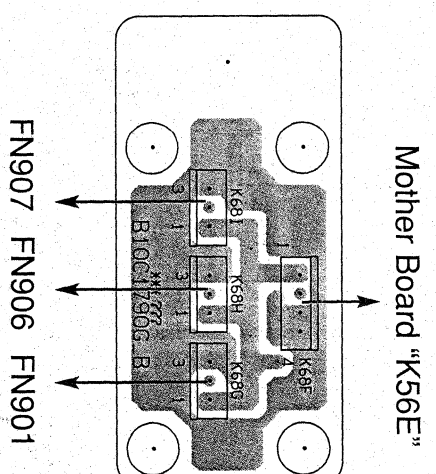
Video Board (SIDE:A)



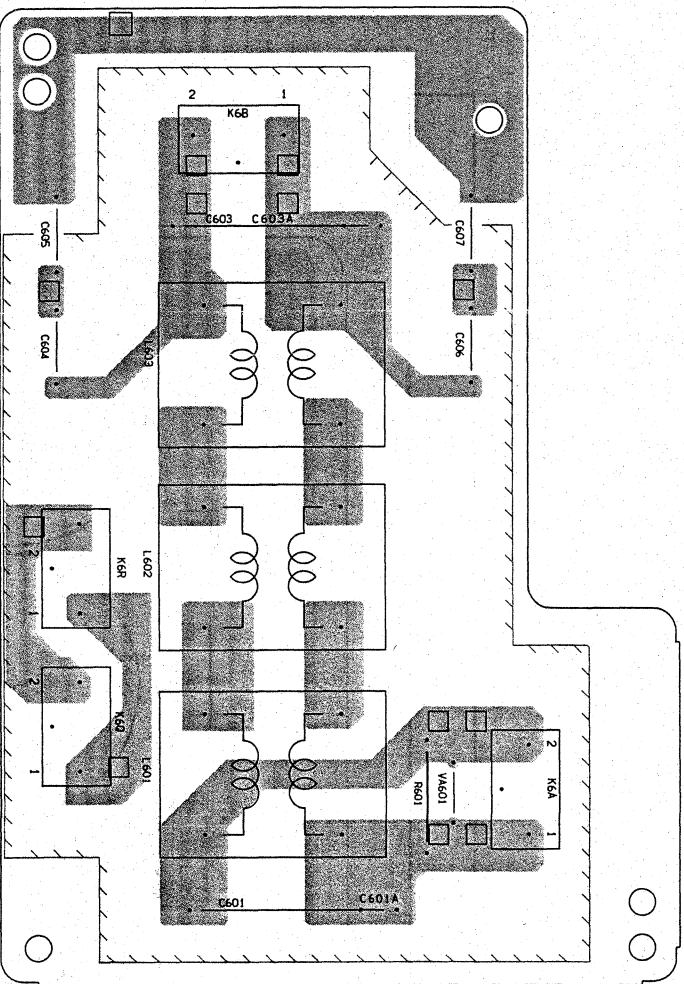
LED Board (SIDE:A)



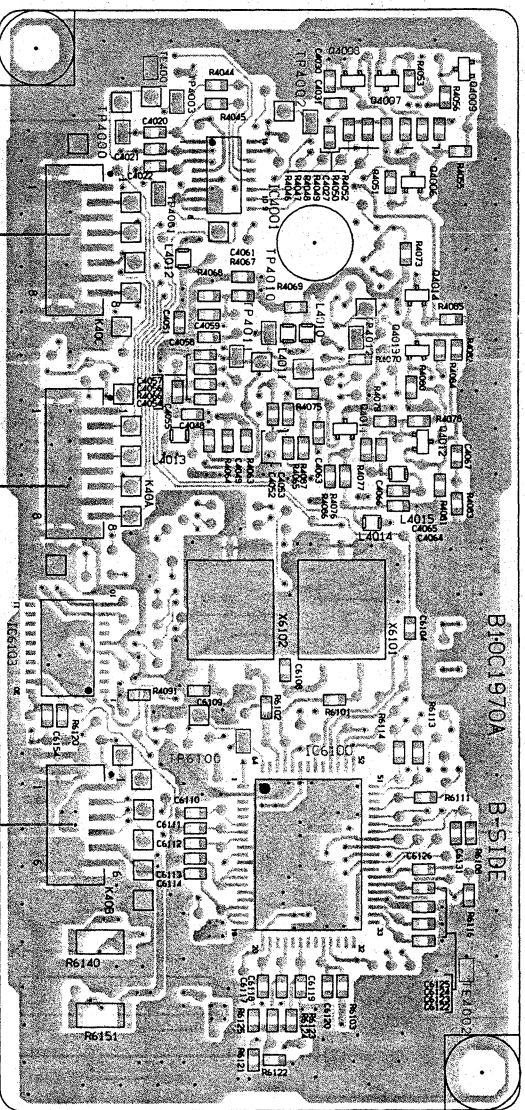
NET Board (SIDE:A)



Filter Board (SIDE:B)

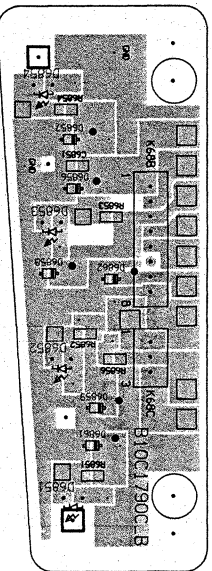


Video Board (SIDE:B)

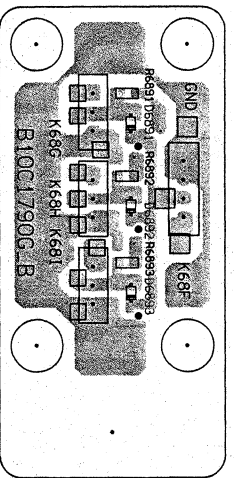


AV Jack Board "K10SA" Main Board "K1A" Main Board "K1B"

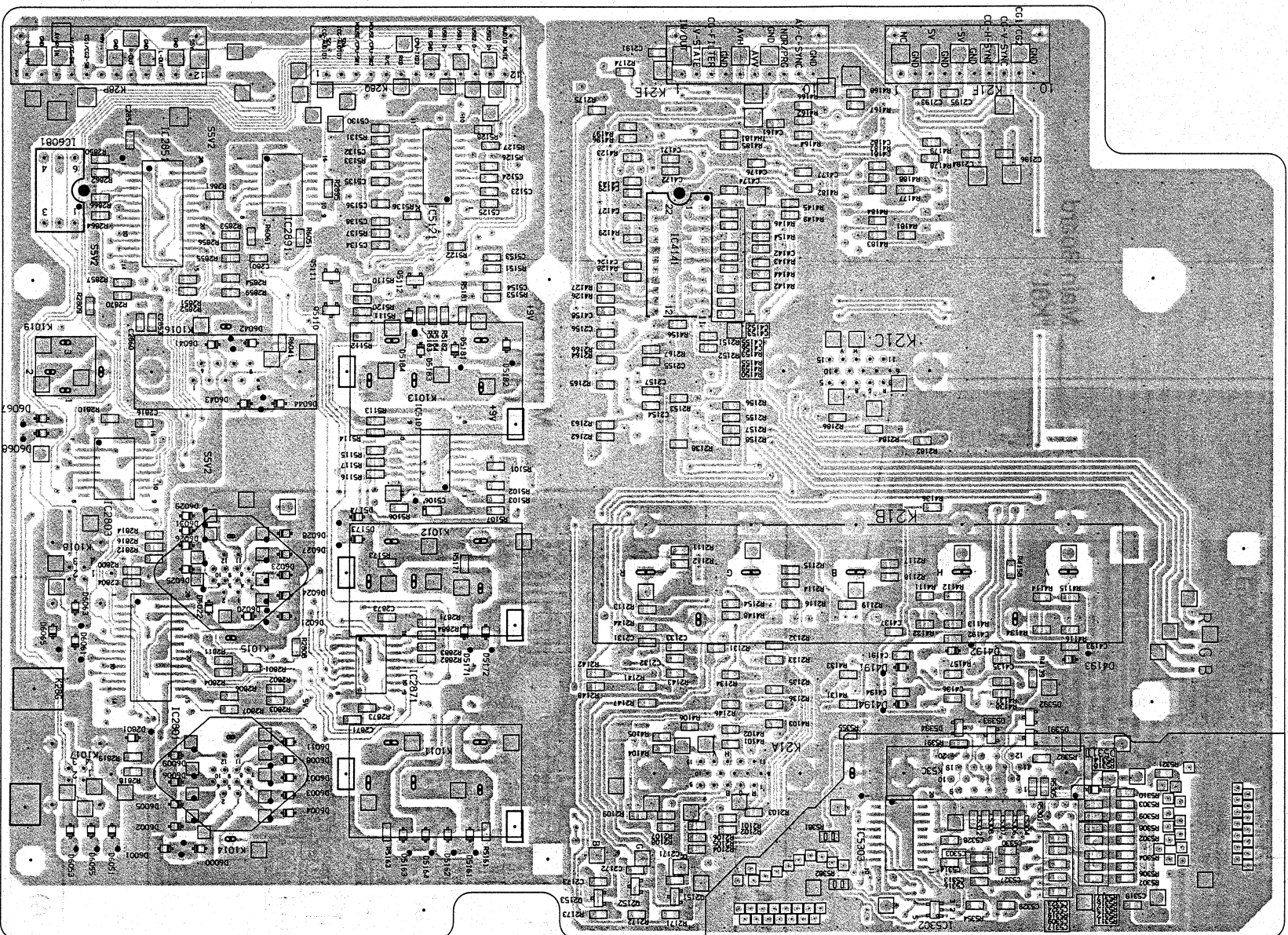
LED Board (SIDE:B)



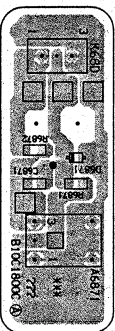
NET Board (SIDE:B)



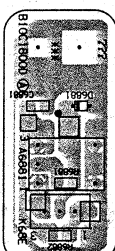
Interface Board (SIDE:B)



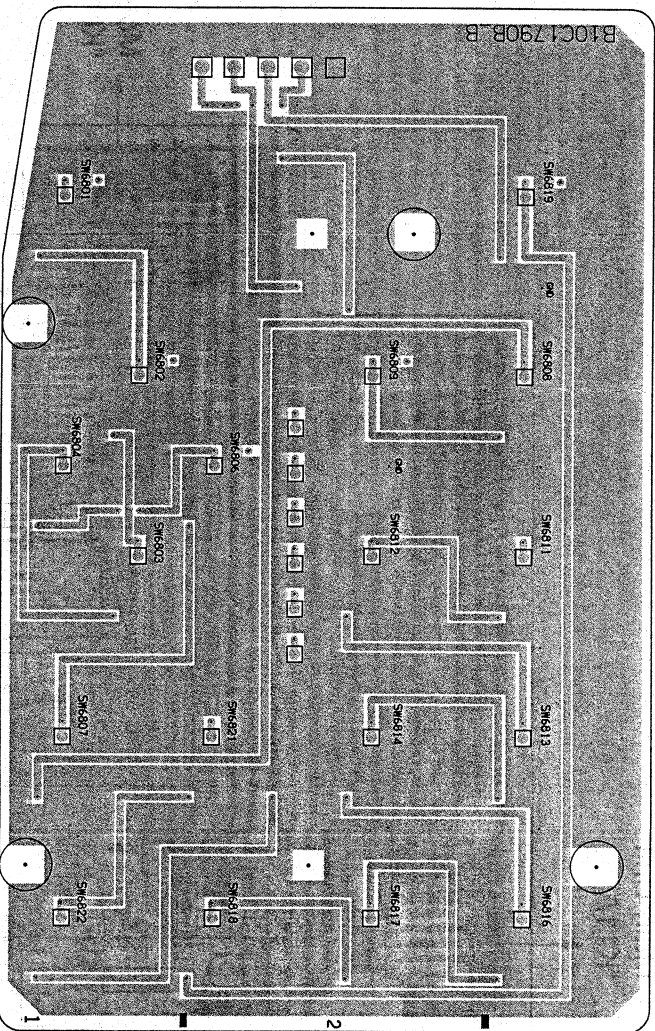
RC1 Board (SIDE:B)



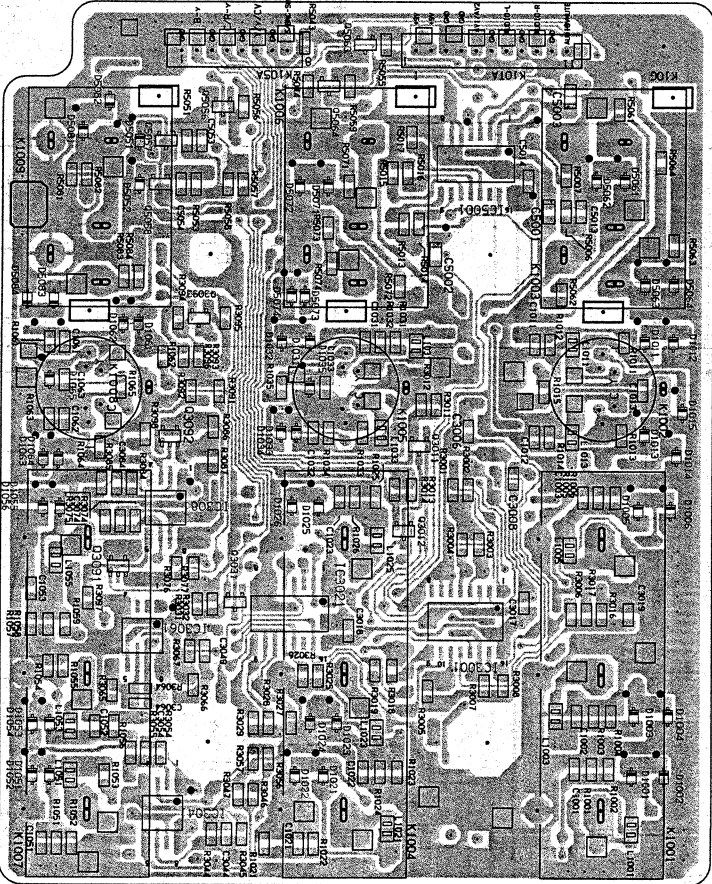
RC2 Board (SIDE:B)



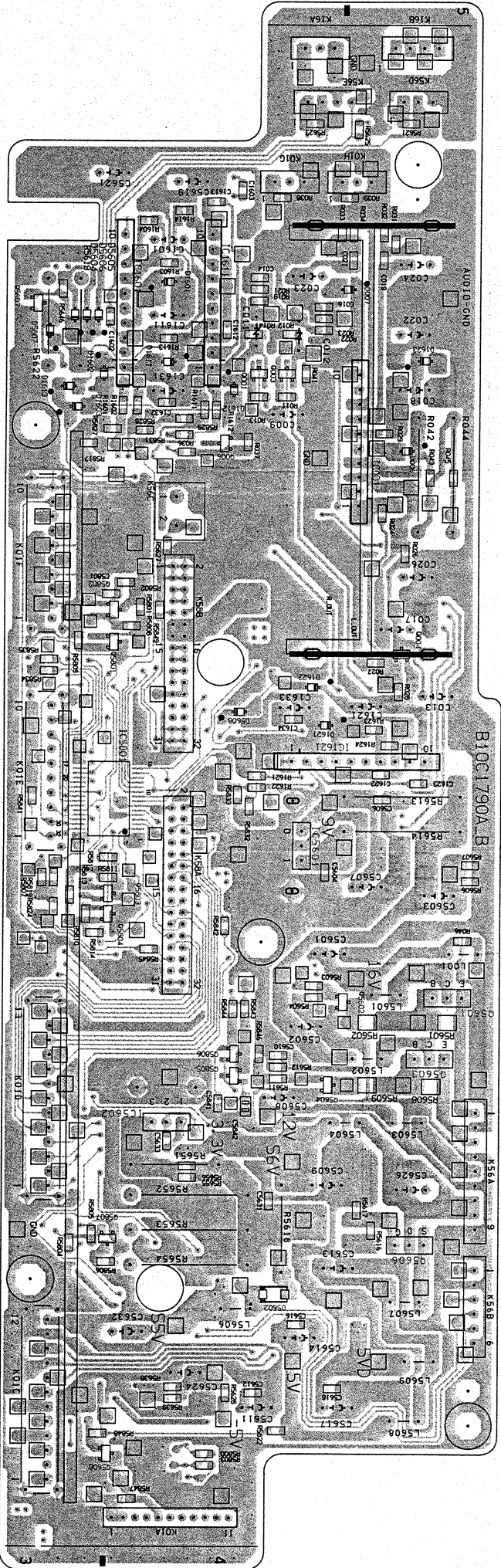
Control Board (SIDE:B)



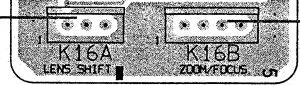
AV Jack Board (SIDE:B)



Mother Board (SIDE:B)

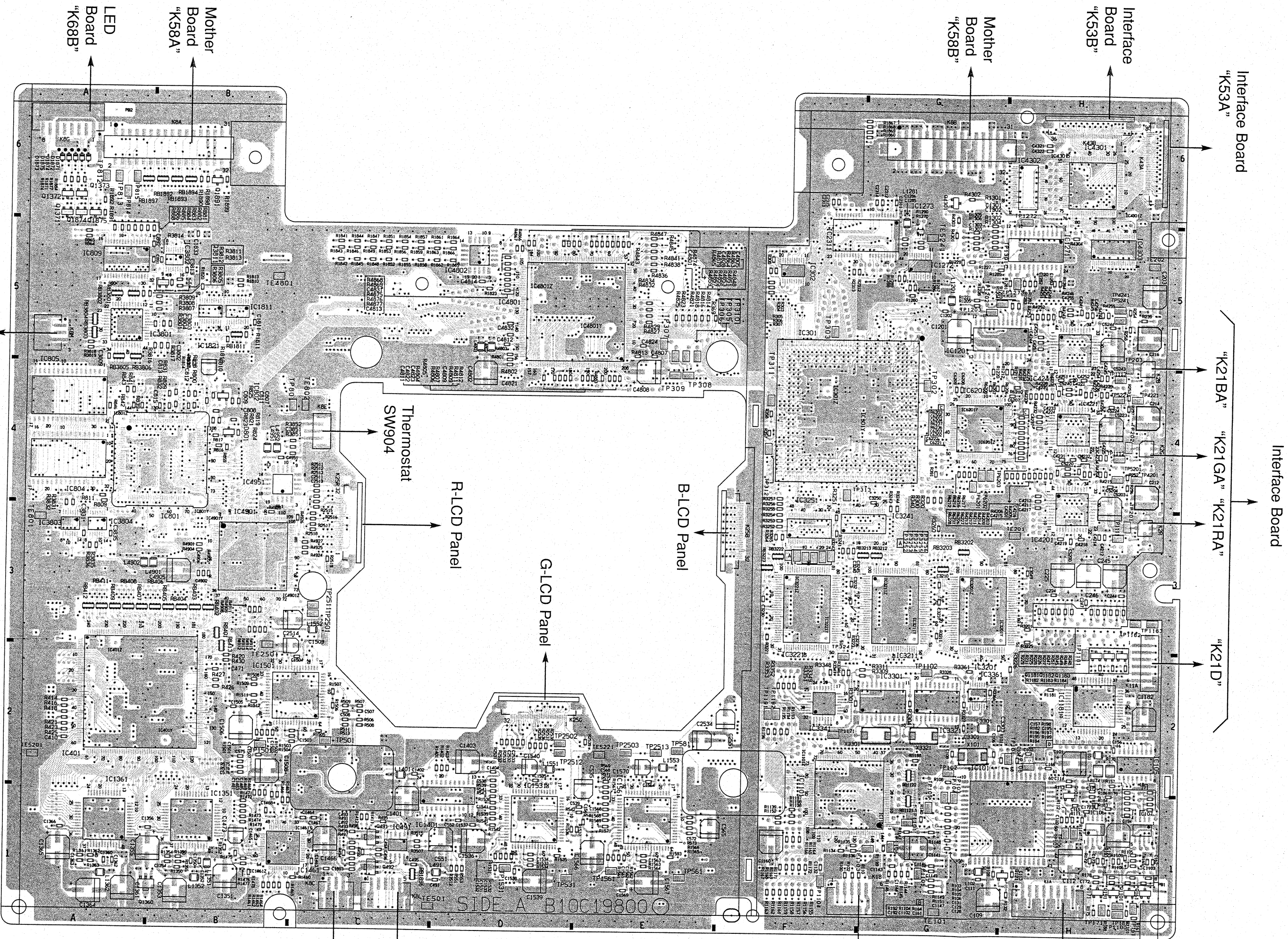


Zoom/Focus
Lens



Zoom/Focus
Lens

Main Board (SIDE:A)

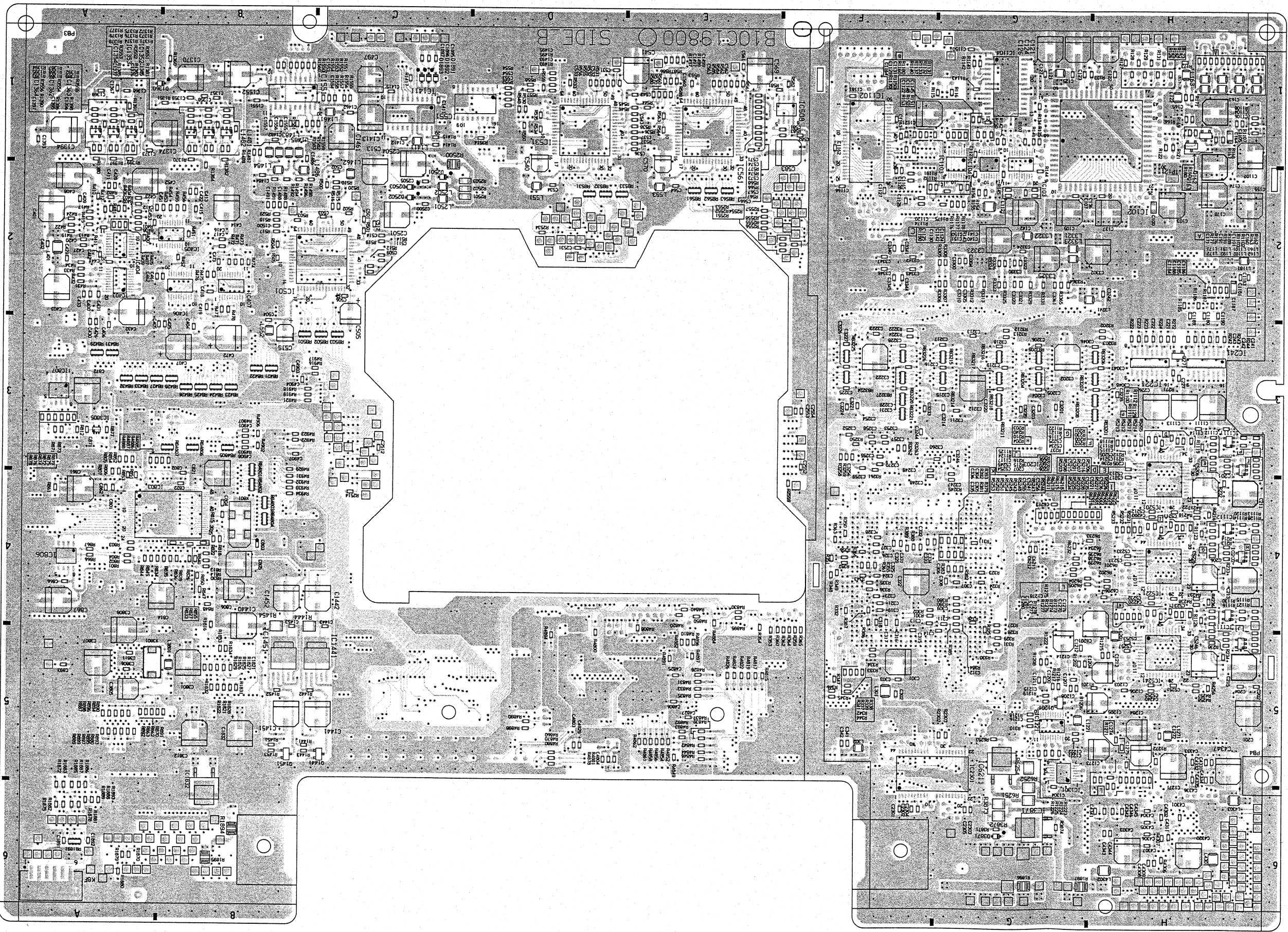


Main Board (SIDE:B)

Video Board "K40A"

Video Board "K40B"

Control
Board
"K68A"
RC2
Board
"K68E"



Optical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
OPTICAL PARTS			L09	645 026 9028	MIRROR (R)
L01	645 038 3922	ASSY, PRISM	L10	645 035 2515	MIRROR (COLD)
or	645 038 3939	ASSY, PRISM ME6A-M	L11	645 035 2676	MIRROR (B-COLD)
L02	645 037 4708	ASSY, PRISM (PBS)	L12	645 040 0032	OPTICAL FILTER
or	645 037 4715	ASSY, PRISM (PBS)	L13	645 038 3809	OPTICAL FILTER (UV CUT)
* L03	645 034 8273	ASSY, LENS, PROJECTION	L14	645 038 5858	POLARIZED GLASS (IN/R)
* L03-A	645 034 8327	MOTOR, LENS (Z, F) DC 0.3W	L15	645 038 5865	POLARIZED GLASS (IN/G)
L04	645 026 9271	LENS, RELAY (OUT)	L16	645 039 0449	POLARIZED GLASS (B)
L05	645 026 9288	LENS, RELAY (IN)	L17	645 035 2539	DICHROIC MIRROR (G)
L06	645 026 9295	LENS, CONDENSER (G)	L18	645 035 2690	DICHROIC MIRROR (B)
L07	645 026 9301	LENS, CONDENSER			
L08	645 026 9318	LENS, INTEGRATOR			

*) These service codes are for Model PLC-XF10E/B only.

CAUTION:

Part must be placed in specified direction when replacing the optical parts. Please see "Optical Unit Disassemblies" for further instructions.